STEP 1. WRITE TIME STEP 2. LABER AND COUNT LATER QUESTIONS STEP 3. RE ORGANIZE Practice SAT OCT 17 Writing STEP 4. READ TITLE AND FOLLOW FLOW OF STORY STEPS. DO ALL EARLY QUESTIONS FIRST I REDUNDANCY

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STEP 6. THEN LATERS LAST Survival in the Hostile Environment of NW Rota-1

> [1] Sixty miles north of Guam and more than 1,700 feet under the ocean's surface is the summit of NW Rota-1, an undersea volcano discovered in 2003. [2] Surprisingly, the volcano appears to have been continuously active; it even grew 130 feet in height between 2006 and 2009. [3] Yet despite the hostile environment created by the constant volcanic activity, life is thriving there. [4] Special adaptations are the key to survival. [5] At that depth, water pressure suppresses the explosive force of the volcano's eruptions, allowing scientists to 11 watch and observe them up close via remotely operated vehicles. 2

IGNORE THE TRANS SND 15 THE RELATION

NW Rota-1 is far below the ocean's photic zone where sunlight drives photosynthesis; 3 nevertheless, bacteria supporting a unique food web have adapted to this perpetually dark environment. The bacteria have evolved to use hydrogen sulfide instead of sunlight for the energy that drives their metabolic processes, and hydrothermal venting is the source of the chemical soup necessary to support 4 him or her. Seawater seeping into fissures in the ocean floor is heated by underlying magma, and the heat drives chemical reactions that remove oxygen, sulfates, 5 and remove other chemicals from the water. Once the superheated water (up to 750°F) rises through vents in the ocean floor, additional reactions cause minerals and compounds to precipitate onto the seafloor, where bacteria feed on them.

A) NO CHANGE

B) watch

C) observe to see

D) visually watch

ANSWERS
ANSWERS
TO EACH
TO EAC

2 CONTINUITY IN CONTEXT

To make the paragraph most logical, sentence 5 FOLLOW FLOW should be placed

A) where it is now.

B) after sentence 1.

C) after sentence 2.

D) after sentence 3.

OF GENTENCES NOTICE CLUES

IKE MARKING OFF

11 3 TRANSITION WORDS

A) NO CHANGE

B) afterward,

C) furthermore,

D) similarly,

REREAD INFO BEFORE AND AFTER TRANSITION WERD.

THINK OF WHAT IT'S TRYING TO SAY.

SLICK! PRONOUN / ANTECEDENT

A) NO CHANGE

B) one.

C) them.

D) it. BAIT

ALGO NOTICE VENB

SIDENOTE: BACTERION = SING.

REDUNDANCY AND COMMA

A) NO CHANGE

B) it also removes

C) also removing

D)) and

PULES: LIST

TWO SENTENCES

STOMACH LCID

TO GET THE

Loihi shrimp-originally thought to exist only around an undersea volcano near 6 Hawaii, survive by using tiny, shear-like claws to harvest rapidly growing bacterial filaments covering rocks near NW Rota-1's hydrothermal vents. The Loihi shrimp spend most of their time grazing on the bacteria and evading another, previously unknown, species of shrimp. Shrimp of that species also graze on bacterial filaments as juveniles,

7 resulting from their ability to cope with the noxious environment around the volcano. They feed on the Loihi shrimp and other organisms that are overcome by the toxic plumes of volcanic gas and ash.

During an underwater eruption, steam quickly 8 condenses. The steam leaves only carbon dioxide bubbles and droplets of molten sulfur. This means that the water near NW Rota-1 is more acidic than 9 that of stomach acid, presenting yet another challenge to life-forms living nearby. As the carbon dioxide level in Earth's atmosphere rises, the 10 worlds' ocean's absorb more carbon II dioxide Organisms flourishing near the volcano may help biologists understand how life adjusts to very acidic conditions. In addition, NW Rota-1 is a natural laboratory where scientists can study conditions that may be similar to those that gave rise to life on Earth and perhaps even other worlds.

HYPHEN RULES

- A) NO CHANGE IN MIDDLE OF
- B) Hawaii; SENTENCE, OPEN
- C) Hawaii-WITH HYPITEN
- D) Hawaii CLOSE WITH HYPHEN

7 CONTINUITY: IN CONTEXT

RECIPE OF Which choice most effectively sets up the information in the next sentence?

- A) NO CHANGE
- B) but their adaptations are not yet fully understood by the scientific community.
- SENTENCES thriving in an unusual ecosystem that also includes crabs, limpets, and barnacles.
- but as adults, their claws are large enough for the shrimp to be predators.

8 CONTINUITY: IN CONTEXT

Which choice most effectively combines the REREAD THE sentences at the underlined portion?

- A) condenses and leaves
- B) condenses, having to leave
- e) condenses, thereafter leaving
- D) condenses, and then, after this, it leaves

9 COMPARISON

- NOT COMPARING TO A) NO CHANGE 341 THE WATER " OF
- those of stomach
- C) the acid from stomach
- D)) stomach

10 APOSTROPHE US PLURAL

- A) NO CHANGE
- B) world's oceans'
- C) world's oceans
- D) worlds oceans

11 CONTINUITY: IN CONTEXT

FOLLOW FLOW The writer is considering revising the underlined portion to the following.

dioxide, which increases their acidity.

Should the writer make this revision here?

- SENTENCES A) Yes, because it explains the relevance of this sentence to the point made in the paragraph.
- Yes, because it helps the reader understand why organisms near NW Rota-1 evolved the way they did.
- C) No, because it merely repeats information provided earlier in the passage without contributing to the paragraph's main idea.
- D) No, because it interrupts discussion of oceanic life-forms with an irrelevant detail.

Questions 12-22 are based on the following passage and supplementary material.

Free Public Transportation

City planners, concerned about vehicle traffic clogging their cities' roadways, are trying to find ways to get people out of their cars and onto buses and trains. One radical proposal some planners have considered is to make public transportation free to passengers. While fare-free policies do increase 12 ridership, but they have not been found to be an effective way to address traffic problems. Moreover, these policies may result in serious budget shortfalls.

Not surprisingly, 13 public transportation is used by more people when people do not have to pay a fare. According to a report by the Center for Urban Transportation Research, public transit systems that abolish fares typically see a short-term increase in ridership of about 50 percent. However, this increase does not necessarily correlate with a decrease in car traffic. Evidence suggests that when buses and subways are free, people often take bus and train trips they would not have taken otherwise while still using their cars nearly as much as they did before. In 2013 Tallinn, Estonia, instituted fare-free rides for city residents (becoming the largest city in the world to do so), but car use in Tallinn has only slightly 14 declined; as a 2014 study by the KTH Royal Institute of Technology in Sweden found that car traffic in Tallinn was down less than 3 percent since 15 it was enacted.

Instituting a fare-free system 16 can also have a devastating effect on a city's transportation budget. All public transportation systems are subsidized by the government to some extent, but large systems gain a substantial portion of their operating revenue from fares. Since systems that go fare-free see increases in ridership, they often must operate more buses and trains and hire more drivers and other personnel at the same time that they are losing a key source of funding. Advocates of fare-free policies claim that the costs of these policies are largely offset by various 17 savings, however, a recent study comparing projected results of fare-free policies in different cities found this outlook to be 18 way too sunny. For example, in San Francisco, CA, fare-free

1 COMMA 2UC A) NO CHANGE

- B) ridership, and while
- C) ridership,
- D) ridership:

13 CONTINUITY IN CONTEXT Which choice is the most effective version of the MOST underlined portion? CONCISE AND ACTIVE

- A) NO CHANGE
- B) more people use public transportation if they do not have to pay a fare.
- C) if people do not have to pay a fare, more of those people use public transportation.
- D) using public transportation is done by more people when they do not have to pay a fare.

III COLON RULES

- A) NO CHANGE
- B) declined:
- C) declined,
- D) declined, As

15 AMBIGUOUS PROXIOU

- A) NO CHANGE
- (ANTECEDENT
- B) that
- C) one
- D) the policy

16 CONTINUITE IN CON

FLOW OF PARABRAPE

Which choice best introduces the paragraph?

- A)) NO CHANGE
- also requires planners to make careful considerations about changes in service.
- C) might also have a negative impact on the environment as more service is added.
- D) also has the drawback of increasing crowding on public transportation.

I COMMA RUCES : FANBOYS

- A) NO CHANGE
- B) savings,
- C) savings, but
- D) savings; and

IN FORMAL US INFORMAL TONE

- A) NO CHANGE
- B) looking too much on the bright side.
- C) pretty upbeat.
- D) overly optimistic.

public transit was projected to save \$8.4 million per year in fare collection costs 19 but create a deficit of \$72 million per year in lost fares, on top of capital investments in new equipment and infrastructure. 20

Projected Yearly Savings and Costs of Implementing a Fare-Free Policy

Transit agency	Savings from eliminating fare collection	Cost in lost fares	Cost of adding service	Total additional operating costs
Lane Transit, Eugene, OR	\$100,000 to \$500,000	\$5 million	not provided	\$5 million
Muni, San Francisco, CA	\$8.4 million	\$112 million	\$72 million*	\$184 million
Public Transit, Hamilton, Canada	not provided	\$900,000	\$30 million	\$30.9 million

*plus \$512 million in capital investments

Adapted from Transportation Research Board, "Implementation and Outcomes of Fare-Free Transit Systems." @2012 by Transportation Research Board.

This is not to say that fare-free public transportation is always a bad idea. Some college towns and resort communities embrace the model because buses can go faster when drivers 21 would not have had to collect fares. For large cities looking to reduce automobile traffic, though, 22 research about Tallinn, Estonia, could be instructive.

JUSTLIKE ACT SCIENCE USE THAT CHART!

Which choice provides an accurate interpretation of the chart?

- A) NO CHANGE
- B) and save an additional \$112 million from lost
- C) but result in a total increase of \$184 million per year in operating costs,
- D) and save \$72 million per year in costs related to adding service,

MATCH!

20 CONTINUITY: IN CONTEXT

The writer is considering adding the following sentence based on information from the chart.

· Should the writer make this addition here?

- A) Yes, because it proves how little money Eugene with San Francisco.
- B) Yes, because it reinforces the claim made by advocates of fare-free policies mentioned earlier in the paragraph.
- No, because it does not support the argument that fare-free systems cause a substantial loss for governments.
 - D) No, because it contradicts a point about farecollection made earlier in the paragraph.

VERB TENSE

- A) NO CHANGE
- B) do not have
- C) did not have
- D) will not have

22 CONTINUITY: IN CONTEXT

Which choice provides the best conclusion to the passage?

- A) NO CHANGE
- subways will prove to be more important than
- C) public transportation should be cheaper but not free.
- D) fare-free public transportation is not the answer.

By contrast, Lane Transit in Eugene, OR, would lose only \$5 million in fares if it instituted a fare-free system.

Id the writer make this addition here?

Yes, because it proves how little money Eugene would lose under a fare-free system.

Questions 23-33 are based on the following passage.

Wet Plate Photography: An Old Technique Makes a New Splash

[1] Upon the arrival of the digital camera, professional photographers harrumphed that 23 they produced ugly, low-resolution images, [2] Yet eventually the vast majority of them traded film for megapixels. [3] The latest digital cameras take pictures so crisp that the images in them appear to be die-cut. [4] Even today's humblest smartphones snap bright, sharp photos. [5] A few contemporary photographers, however, have embraced an anachronistic method that was state-ofthe-art technology when it was invented in 1851: wet plate photography. 24

Wet plate photographers essentially create their own film. The process can be dangerous, given that it requires the use of several volatile chemicals. 25 To take a wetplate photograph, photographers usually first arrange or pose 26 it's subjects before mixing collodion (a viscous, light-sensitive.chemical solution) with bromide, iodide, or chloride and applying the mixture to a clean, polished glass plate. Dried collodion is unusable, 27 so once the photo is snapped with a massive, tripod-mounted

INTRO CLAUSE

- A) NO CHANGE
- B) (it
- C) one
- D) he or she

I CONTINUITY: IN CONTACT

The writer plans to add the following sentence to this paragraph.

Why wouldn't they?

To make the paragraph most logical, the sentence should be placed

- A) after sentence 1.
- after sentence 2.
- after sentence 4.
- D) after sentence 5.

CONTINUITY: IN CONTEXT

At this point, the writer is considering adding the following sentence.

It's also labor-intensive, involving several intricate steps.

Should the writer make this addition here?

- A) Yes, because it serves as an effective transition by reiterating the main idea of the previous paragraph.
- B) Yes, because it sets up the paragraph's outline of the process of wet plate photography.
 - C) No, because it blurs the paragraph's focus on the dangers involved in wet plate photography.
 - D) No, because it provides an opinion in a paragraph that is focused on facts.

PRONOUN / ANTECEDE

- A) NO CHANGE
- B) its
- C) there
- D) their



- A) NO CHANGE
 - B) but
 - C) and
 - D) for

develop it, using more chemicals. When the image appears in the negative, water is used to stop the process. A chemical "fix bath" turns the negative image into a positive one. The photo is then immersed in water and warmed.

29 In conclusion, it is coated with lavender oil to give it (a protective finish).

Wet plate photos are marvelously fine-grained and detailed, and they seem to glow with an ethereal silvery light. One misstep or a speck of dust on the glass plate, though, and flaws appear. Smudges resembling oyster shells 31 swirl around the photos' edges. Sunbursts or streaks emerge where collodion pools unevenly. Since the film requires long exposures, moving subjects blur. 32 A shifting arm or leg might even disappear because of the lengthy exposure time required. The exposure time required explains why people in wet plate photographs often look dour: it's hard to hold a smile for that long.

Prominent among contemporary wet plate photographers is Joni Sternbach, whose work centers, appropriately, on water and people's relationship to it. Sternbach's photo series Ocean Details, Sea/Sky, and SurfLand depict surging surfs, roiling waves, and the surfers who ride them.

33 Her subjects could be nineteenth-century wave riders, if not for the modern board shorts and bikinis they wear. Sternbach characterizes wet plate photography as "one part photography, one part performance art, and one part three-ring circus," a worthwhile endeavor because it produces the unique, haunting images she seeks. "When I look at a digital print," she says, "it might be gorgeous and smooth, but it's on a piece of paper and it's one of many."

28 CONTINUITY: IN CONTEXT

The writer wants to emphasize how quickly wet plate photographers have to work. Which choice most effectively accomplishes this goal?

- A) NO CHANGE
- B) a few
- C) a matter of
- D) mere

29 TRANSITION WORDS.

- A) NO CHANGE
- B) Finally,
- C) Thus,
- D) Nevertheless,

30 NO PUNCTURTION NEEDED

- A) NO CHANGE
- B) oil—to give it a protective finish.
- C) oil, to give it, a protective finish.
- D) oil to give it a protective finish.

II VERB TENSE: PAZZELEZISH

- (A) NO CHANGE
- B) will have swirled
- C) have swirled
- D) swirled

32 REDUNDANCY

- A) NO CHANGE
- B) An arm or a leg, shifting during the long exposure time required by wet plate photography, might even disappear.
- A wet plate photographer's subject's arm or leg might even disappear during this long exposure time.
- D) A shifting arm or leg might even disappear.

33 CONTINUITY : INCONTEXT

The writer wants to highlight the contrast between Sternbach's techniques and the people Sternbach photographs. Which choice most effectively accomplishes this goal?

- A) NO CHANGE
- B) The subjects of her photos could be ordinary people,
- C) It would be hard to tell her subjects are surfers,
- D) They would appear to come from all walks of life.

Questions 34-44 are based on the following passage.

Digging Up Cities

In 2010, as a construction crew began to tear up sidewalks in New York City's South Street Seaport to replace a water pipe, Alyssa Loorya and her team watched eagerly, picks and brushes in hand. Loorya, an urban archaeologist, studies the history of 34 cities. Any New York City construction project using municipal funds

35 are required to consider whether historical artifacts will be affected during construction, and if that possibility 36 exists or is possible, an urban archaeologist must be consulted. Since the South Street Seaport area was a bustling commercial center for early colonists, Loorya anticipated that a rich history lay beneath the pavement. "It's our job to document and recover that history before it's lost," she said.

As the work continued, 37 therefore, the team faced obstacles. Fieldwork in a city has to be done intermittently: the construction crew had to proceed one block at a time to avoid interrupting traffic, and the archaeology team's work was periodically 38 halted—by stormy weather and the discovery of toxic materials underground. Moreover, as archaeologists underground attempted to relay information to those at the surface, they had to contend with the noise of construction vehicles, car horns, and 39 pedestrians' noise on the busy New York City streets.

34 CONTINUITY: IN CONTEXT

The writer is considering revising the underlined portion to the following.

cities by excavating artifacts that have accumulated over centuries of land development.

Should the writer make this revision here?

- Yes, because it helps set up the rest of the passage by explaining what urban archaeologists do.
- Yes, because it identifies the characteristics that make particular cities worthy of archaeological study.
- No, because it does not give enough detail about the kinds of artifacts that urban archaeologists typically find.
- D) No, because it does not explain how excavation benefits the study of a city's history.

35 SUBT / VERB AGREEMENT

- A) NO CHANGE
- B) have been
- (C) is
- D) were

36 REDUNDANCY

- A) NO CHANGE
- B) exists potentially, -> PossiBicity
- C) exists, it is necessary that
- D) exists,

TRANSITION WOLDS

- A) NO CHANGE
- B)) though,
- C) meanwhile,
- D) similarly,

38 NO PUNCTUATION NEEDED

- A) NO CHANGE
- B) halted;
- C) halted,
- D) halted

39 REDUNDANCY AND PARAMETISM

- A) NO CHANGE .
- B) the noise of pedestrians
- (C) pedestrians
 - D) that of pedestrians

END OF

SENTENCE

Despite these setbacks, Loorya and her team eventually began to uncover some interesting artifacts. In 2012, the team discovered a foundation wall, a network of wooden pipes, and several well bases dating to the eighteenth century. In August 2013, the archaeologists discovered thousands of objects in a single fifteen-foot stretch that was likely a garbage disposal 40 site. Including buttons from Revolutionary War uniforms, clay pipes, and an imported mineral water bottle from Germany.

As they cleaned and catalogued the artifacts, the archaeologists took stock of their findings. The team's discoveries provided a snapshot of 41 the various kinds of construction materials that were used in the eighteenth century. Colonial-era New Yorkers went to great lengths to secure fresh drinking water, Loorya noted, given the 42 effort involved in laying wooden pipes to bring in fresh water from surrounding areas, digging very deep wells, brewing alcohol to mask the water's salty taste, and even importing bottled water.

Through such discoveries, 43 they tell the story of a city's history in a new way. 44 "One of my favorite things is putting together someone's life," Loorya said. NOPE

WHEN DONE CHECKING EXTRA TIP! AND UNDERSTANDING ANSWERS, REVIEW THE NON-UNDERLINED AMEAS OF THE PASSAGES TO SEE HOW OTHER GRAMMAR RULES ARE
USED PROPERLY.

10 COMMA RUCES: UNNECESSAVE INFO AT

- A) NO CHANGE
- B) site, among these were
- C) site, including
- D) site; including

11 CONTINUITY: IN CONTEXT

Which choice most effectively sets up the example discussed in the following sentence?

- A) NO CHANGE
- B) the numerous rituals associated with hospitality
- (C) public utility planning and infrastructure development
- b) how major construction projects were financed

12 CONTINUITY: IN CONTEXT

Which choice best maintains the style and tone of the passage?

- A) NO CHANGE
- B) blood, sweat, and tears INFORMAL
- St hassle IN= on mar
- D) feats of strength and fortitude / NFOR MAL

13 AMBIGOODS FROM

- A) NO CHANGE
- B) we
- C) colonial-era New Yorkers BACK FROM THE DEAD?
- D) urban archaeologists

The writer wants to conclude the passage with a quotation from Loorya that illustrates the broad impact of her team's work. Which choice most effectively accomplishes this goal?

- A) NO CHANGE
- "New York City construction has a lot of stops and starts," NOPE
- C) "Finding the bits and pieces that were actually used by the people in the past makes New York City's history real," YUPI
- D) "We call our archaeological technique 'monitoring,' and we work hand-in-hand with the contractors and are a part of their team,"

ONLY PART OF STORE