Talking to Your Text- Characteristics of living things

(1) In Greenland, increasing numbers of polar bears are being killed in self-defense as the loss of their sea ice habitat pushes them towards communities, where the predators pose a real threat to humans. (2) In East Greenland, says a new WWF report, the situation is particularly critical. Twelve polar bears in the first nine months of 2014 were shot in self-defense in Greenland -- the highest figure ever recorded. (4) After inspecting a grizzly bear and having its DNA tested, it was discovered that a bear's mother was a grizzly-polar hybrid and the father was a grizzly bear.

(5) Reductions in sea ice mean the bears have fewer opportunities to hunt ringed seals, their primary prey. Hungry bears on land may visit villages in search of food. In the East Greenland village of Ittoqqortoormiit, polar bears have been spotted in or around the community several times a week, says the report, which focuses specifically on conflicts between people and bears in Ittoqqortoormiit.

## Predicting

In the next part I think (what do you think will happen to the polar bears?)…\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(8) Polar bears are marine mammals; grizzlies are terrestrial. Grizzlies have solid hairs meanwhile polar bears have hollow hairs, preventing heat loss, in order to 6 have cellular organization. (10) Textbooks say these two species aren’t supposed to inhabit the same environments. (11) But as the Arctic warms, sea ice is shrinking and the tundra is expanding causing bears to change their hunting behavior.

##  Picturing

I can picture (in what part of the world do you think this is happening?)… \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(12) And the bears’ disparate populations are meeting, mating and creating a new breed that’s capable of reproducing.

## Questioning

A question I have is…\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(13) Bears sharing both species’ DNA have been recorded several times over the past decade. So why are these two species linking up? (15) It’s called flexible mate choice: The bears are mating with the best possible partners as opposed to not mating at all, and they’re mating. (16) This is possible because they share relatively close territories and the same branches of the same evolutionary tree creating.

## Summarizing

The big idea here is… \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1) Circle what characteristic of living is being discussed in sentence (4)?

Cellular organization Reproduction Metabolism

Homeostasis Response to stimuli Growth and development

Adaptation through evolution None

2) Circle what characteristic of living is being discussed in sentence (11)?

Cellular organization Reproduction Metabolism

Homeostasis Response to stimuli Growth and development

Adaptation through evolution None

3) Circle what characteristic of living is being discussed in sentence (10)?

Cellular organization Reproduction Metabolism

Homeostasis Response to stimuli Growth and development

Adaptation through evolution None

4)To make this text **most logical**, sentence (4) should be placed

1. Where it is now
2. After sentence 5
3. After sentence 8
4. After sentence 15

5)Which choice most accurately and effectively demonstrates metabolism

1. Polar bears are spending more time on land as Arctic ice diminishes, causing them to lose body weight from the lack of resources.
2. Scientists hypothesized that these new hybrid species, Pizzlies, may be fertile.
3. No one agrees when exactly the ancestors of these bears— one is an omnivore, the other is a carnivore that specializes in eating seals — bred.
4. Polar bears evolved from brown bears around 150,000 years ago and are now the largest land carnivores in the world.

\_6\_

1. NO CHANGE
2. adapt through evolution
3. grow and develop
4. maintain homeostasis

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