

### Question 1

"Black smokers" are associated with \_\_\_\_\_.

- A) hot water
- B) oceanic ridges
- C) mineral-rich waters
- D) all of these

Answer: <https://biology-forums.com/index.php?topic=373733>

### Question 2

"Perhaps more than any other single measurement, atmospheric pressure is the best indicator of current and changing weather conditions." Briefly discuss why this statement is correct.

Answer: <https://biology-forums.com/index.php?topic=374163>

### Question 3

"Rain long foretold, long last; short notice, soon past." The first five words of this weather proverb \_\_\_\_\_.

- A) refer to a warm front
- B) refer to an anticyclone
- C) refer to a cold front
- D) have no basis in fact

Answer: <https://biology-forums.com/index.php?topic=374178>

### Question 4

A barrier built at a right angle to the beach for the purpose of trapping sand that is moving parallel to the shore is called a(n) \_\_\_\_\_.

Answer: <https://biology-forums.com/index.php?topic=373925>

### Question 5

A blue star is \_\_\_\_\_ our Sun.

- A) colder and larger than
- B) hotter and larger than
- C) colder and smaller than
- D) hotter and smaller than
- E) approximately the same temperature and size as

Answer: <https://biology-forums.com/index.php?topic=374559>

### Question 6

A brown mineral specimen and a green mineral specimen have identical hardness; therefore, they are the same mineral, but just happen to be different color

- A) [b]True[/b]
- B) [b]False[/b]

Answer: <https://biology-forums.com/index.php?topic=372670>

### Question 7

A Category 5 hurricane in the open water can obtain top wind speed comparable to \_\_\_\_\_.

- A) an F4 tornado
- B) an F1 tornado
- C) the top speed of an old style Volkswagen beetle
- D) a plane flying near supersonic speed

Answer: <https://biology-forums.com/index.php?topic=374213>

### Question 8

A comet is visible because \_\_\_\_\_.

- A) it is composed of white material, mostly ice
- B) it is a very large object that get stretched out by interaction with the Sun's gravity
- C) it is a small object, but it ejects gas and dust that at is dispersed by the solar wind to form a tail thousands of km long
- D) it boils off steam that streams outward along the comet's path

Answer: <https://biology-forums.com/index.php?topic=374446>

### Question 9

A compound is a stable chemical substance composed of two or more \_\_\_\_\_.

Answer: <https://biology-forums.com/index.php?topic=372682>

### Question 10

A continental Polar (cP) air mass that originates in Siberia and is subsequently altered to \_\_\_\_\_ when crossing the north Pacific

- A) mT
- B) mP
- C) cP
- D) cT

Answer: <https://biology-forums.com/index.php?topic=374173>

### Question 11

A cT air mass is \_\_\_\_\_.

- A) cold and humid
- B) cold and dry
- C) warm and dry
- D) warm and humid

Answer: <https://biology-forums.com/index.php?topic=374168>

### Question 12

A cubic centimeter of quartz, olivine, and gold weighs 2.5, 3.0, and 19.8 grams, respectively. This indicates that \_\_\_\_\_.

- A) gold has a higher density and specific gravity than quartz and olivine
- B) gold is 6 to 7 times harder than olivine and quartz
- C) olivine and quartz powders are harder than metallic gold
- D) gold and olivine are silicates, whereas quartz is elemental silicon

Answer: <https://biology-forums.com/index.php?topic=372619>

### Question 13

A dark gray cloud that blankets the sky and often generates precipitation is called \_\_\_\_\_.

- A) altostratus
- B) cirrus
- C) nimbostratus
- D) cirrostratus

Answer: <https://biology-forums.com/index.php?topic=374055>

### Question 14

A dendritic (tree-like) drainage pattern develops in regions where the underlying material is relatively uniform so the major control on the water movement is \_\_\_\_\_.

- A) vegetation
- B) sediment load
- C) saturation
- D) slope
- E) climate

Answer: <https://biology-forums.com/index.php?topic=373051>

### Question 15

A distinctive characteristic of prokaryotes is \_\_\_\_\_.

- A) their ability to produce sugars
- B) their lack of a separation between the DNA and the rest of the cell
- C) their thick cell walls that separate the DNA from the rest of the cell
- D) their methane based metabolism
- E) their oxygen based metabolism

Answer: <https://biology-forums.com/index.php?topic=373656>

### Question 16

A dry climate is defined as \_\_\_\_\_.

- A) a climate where wind is the dominate form of erosion
- B) a climate where the temperature is over 25°C
- C) one where the evaporation exceeds the precipitation
- D) one where the rainfall is less than 10 cm per year

E) all of the above

Answer: <https://biology-forums.com/index.php?topic=374246>

### Question 17

A flat, bench-like surface cut in rock along a coast is a \_\_\_\_\_.

- A) tombolo
- B) sea stack
- C) spit
- D) wave-cut platform

Answer: <https://biology-forums.com/index.php?topic=373879>

### Question 18

A geologist is looking at deposits along a river below a large volcano. She finds large boulders mixed with sand and mud, and all of the material is comprised of volcanic rocks, particularly the mud which is volcanic ash. She quickly realizes these deposits represent an ancient \_\_\_\_\_.

- A) slump
- B) earthflow
- C) rock avalanche
- D) lahar

Answer: <https://biology-forums.com/index.php?topic=372956>

### Question 19

A geologist is studying sediments on land that were originally deep sea sediments. She finds the minerals zircon and garnet in the sediments, which could only come from a continental region. These sediments must be \_\_\_\_\_.

- A) biogenous sediment
- B) hydrogenous sediment
- C) both terrigenous and biogenous sediment
- D) terrigenous sediment

Answer: <https://biology-forums.com/index.php?topic=373744>

### Question 20

A geologist is working in an area of old volcanic rocks exposed by erosion. He finds a large rock outcrop that contains flat lying gravels in the base of the outcrop. These gravels are overlain by basalt that forms a series of layers representing flows. The uppermost basalt lava flows have a dip of about 10 degrees to the west. What does this outcrop record?

- A) Basalt flows formed after gravels were deposited, covered the local terrain, and built a shield volcano with dips of about 10 degrees.
- B) You can't tell anything about the history of this region from this outcrop.
- C) Gravels were initially deposited in a river valley and a cinder cone was erupted, damming the valley, before a cinder cone formed.
- D) Basalt flows formed above a series of gravels, filling a river valley.

Answer: <https://biology-forums.com/index.php?topic=373398>