

6th Science Blizzard Bag Assignment #3

Lesson #121

1. Why do grasses grow so well on savannas, pampas, prairies, and steppes?
 - A) Many species of grasses catch fire very easily.
 - B) All of the grassland biomes have deep, rich soil.
 - C) Grasses grow close to the ground and have deep root systems.
 - D) There are many grazing animals in these biomes.

2. Which of these would be most harmful to an ecosystem's carrying capacity?
 - A) predators
 - B) growth of mushrooms or mold
 - C) overpopulation
 - D) thunderstorms

3. What is absolute zero?
 - A) the temperature of the earth's center
 - B) the coldest point on the Celsius scale
 - C) the coldest point possible
 - D) There is no such thing as absolute zero.

4. Some minerals break apart in thin, flat sheets or in cube-shaped pieces. This property is known as _____.
 - A) luster
 - B) cleavage or fracture
 - C) crystal shape
 - D) hardness

5. During a _____, Earth travels between the sun and moon, blocking the sun's rays from reaching the moon; this occurs at night.
 - A) thunderstorm
 - B) cyclone
 - C) sunny day
 - D) lunar eclipse

6. Which of these is a mixture of two or more solids?
 - A) lemonade
 - B) sand
 - C) paint
 - D) shaving cream

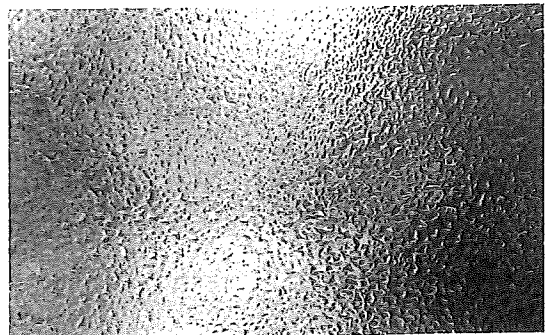
7. Savannas, pampas, prairies, and steppes are all _____.
- A) forests
B) deserts
C) grasslands
D) freshwater biomes
8. Read the information listed below. Which food chain shows how energy flows from one organism to another?

Organism	What it Eats
owl	spider, frog, bird, mouse
frog	fly, spider
spider	fly
mouse	corn

- A) corn ⇒ frog ⇒ bird ⇒ fly
B) spider ⇒ mouse ⇒ owl ⇒ frog
C) fly ⇒ spider ⇒ frog ⇒ owl
9. Neither a penguin nor an ostrich is able to fly. Yet, both of these animals are considered birds. Why are penguins and ostriches classified as birds?
- A) Their bodies are covered with feathers and they have wings.
B) They flap their wings and often pretend to fly.
C) Penguins can live only in very cold climates, and ostriches live in warm climates.
D) There is really no other group that wants them.
10. The glass shown in the photo allows only some light to pass through it.

Which word best describes this type of glass?

- A) opaque
B) translucent
C) see-through
D) transparent



Lesson #124

1. Which scientific instrument would you use to measure average kinetic energy?

balance barometer odometer thermometer

2. Precipitation is part of the water cycle. List three other processes of the water cycle.

3. The winds that cycle just above and below the equator are called _____.

trade winds tropical winds equatorial winds easterlies

4. What is the name of the scale that ranks minerals from 1 to 10?

A) Fahrenheit Scale

C) Mohs Hardness Scale

B) The Diamond Scale

D) Geologists' Scratch Test

5. Match each process with its description.

_____ liquid changes to solid

A) evaporation

_____ gas changes to solid

B) freezing

_____ solid changes to gas

C) melting

_____ solid changes to liquid

D) deposition

_____ liquid changes to gas

E) condensation

_____ gas changes to liquid

F) sublimation

6. The teacher poured 10 ml of water into a beaker. Then he poured 10 ml of cooking oil into the same beaker. The oil floated to the top.

Why?

A) Cooking oil is denser than water.

B) Water is denser than cooking oil.

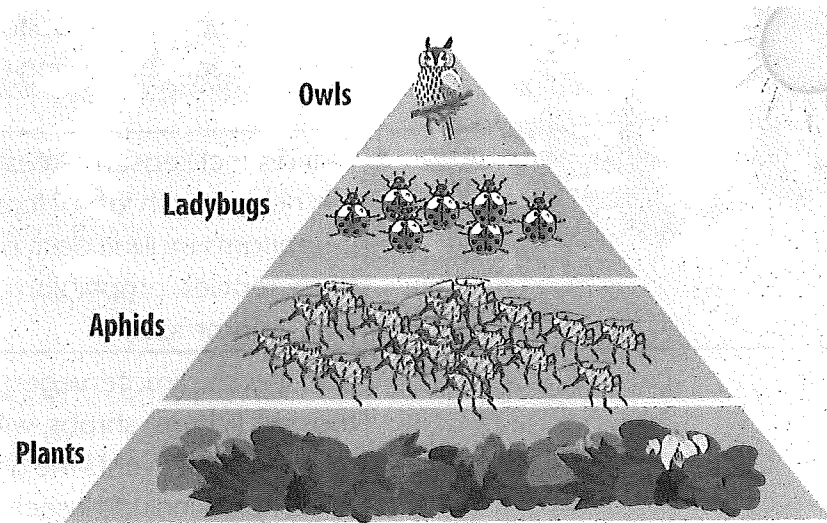
C) The volume of the water is greater.

D) The volume of the oil is greater.

7. Which is the type of reproduction most animals use?

sexual asexual linear all of these

8. Use the energy pyramid below to answer the next three questions.



Which members of the energy pyramid are producers?

Which members of the energy pyramid are predators?

Which organisms would have the highest count in a healthy ecosystem?

9. Match each term with its clue.

_____ properties

A) the color of the powder a mineral leaves behind when scraped on a surface

_____ minerals

B) the means by which minerals are identified

_____ geology

C) made from inorganic substances; they form crystals

_____ streak

D) the way a mineral shines when light strikes it

_____ luster

E) branch of science that studies rocks and minerals