دائرة التعليم والمعرفة
DEPARTMENT OF EDUCATION AND KNOWLEDGE

مدرسة الظاهر للشراكات التعليمية
AL DHAHER CHARTER SCHOOL

newcentury EDUCATION

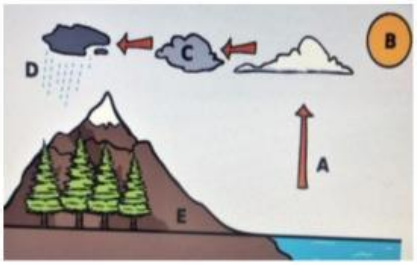
MAP practice 1

Directions: Read each question carefully and answer

1. Sunlight heats water at the equator more than water at the poles. How does this uneven heating produce ocean currents?
   a. Heat radiates up from the equator.
   b. Water flows downhill toward the colder poles.
   c. Convection carries warm water away from the equator.
   d. Warm water conducts heat from the equator to the poles.

2. Why do small mammals hibernate, like chipmunks and ground squirrels?
   a. to give birth
   b. to avoid predators
   c. to conserve energy
   d. to prevent dehydration

3. What part of the water cycle is found at C?
   a. Condensation
   b. Evaporation
   c. Precipitation
   d. Runoff
   e. Sun's heat



4. Which is the best evidence that wind can exert force?
   a. The leaves are falling.
   b. The tree is bent.
   c. The tree is losing its leaves.
   d. The tree is bare.
   e. The leaves are not moving.

5. Which statement best describes the seasons on Earth?
   a. When it is winter in the Northern Hemisphere, it is summer in the Southern Hemisphere
   b. When it is winter in the Northern Hemisphere, it is spring in the Southern Hemisphere
   c. When it is spring in the Northern Hemisphere, it is winter in the Southern Hemisphere
   d. When it is autumn in the Northern Hemisphere, it is winter in the Southern Hemisphere

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6. The pictures show the phases of the Moon as they are viewed from Earth. Which phase of the Moon is next in this sequence?

a.
b.
c.
d.

7. Caitlin kept a science journal recording the time the Sun set each day in April. The table contains her observations.

April Sunset Times

Sunday	Monday 1 6:25	Tuesday 2 6:30	Wednesday 3 6:35	Thursday 4 6:40	Friday 5 6:45	Saturday 6
7	8	9	10	11	12	13
14	15	16	17	18	19	20

Caitlin wanted to take a picture of the Sun setting behind her house to include in her journal, but she doesn't get home till 7:15 pm. Predict the shortest days she will need to wait to take her picture.

a. 1 day
b. 3 days
c. 6 days
d. 9 days
e. 12 days

8. Visitors to the beach often notice that during the daytime, the wind tends to blow from the ocean toward the beach, while at night, the wind tends to blow from the beach toward the ocean. This is due to

a. Differences in the temperature of the land and the ocean
b. Differences in the number of people found on the beach during daytime and at nighttime.
c. Differences in the altitude of clouds found offshore and on land.
d. Differences in the number of clouds found offshore and on land.
e. Differences in the types of clouds found offshore and on land.

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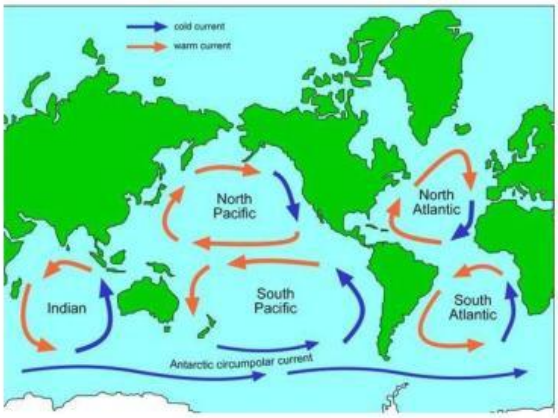
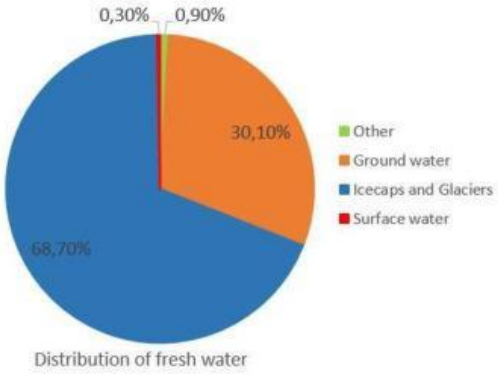
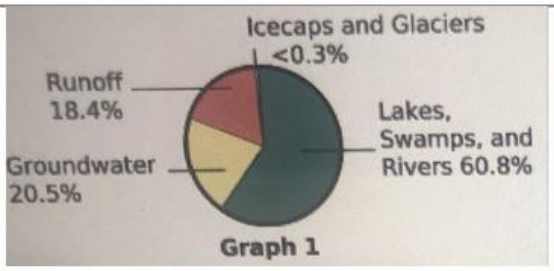
9. The picture shows a map of the world and surface ocean currents. How do these ocean currents affect the climate of the continents?
   a. Ocean currents drive the Coriolis force, creating circular movements of water.
   b. Ocean currents transfer heat energy from one area to another.
   c. Ocean currents carry water needed to fuel the water cycle in other locations on Earth.
   d. Ocean currents cause the formation of winds that cause the movement of weather systems.



10. The graph shows how fresh water is distributed on Earth. There are different forms of water on Earth. Based on the graph, which stamen <u>best</u> describes fresh water on Earth?
   a. Almost all freshwater is in the oceans of Earth
   b. Most of the fresh water on Earth is in ice caps and glaciers
   c. There is more fresh water on Earth in lakes and rivers than in groundwater.
   d. The amount of fresh water is about equal to the amount of salt water on Earth.



11. Which graph best represents the relative percentages of freshwater resources found on Earth?

a.


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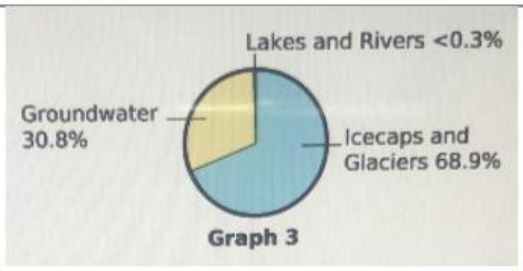

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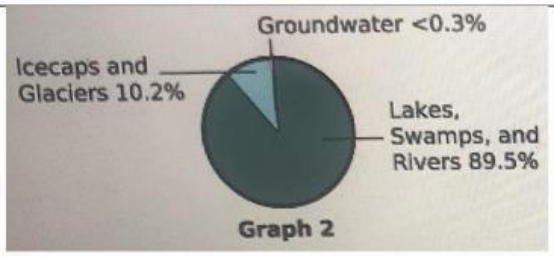
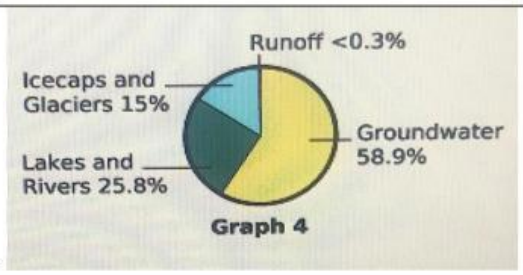


d.


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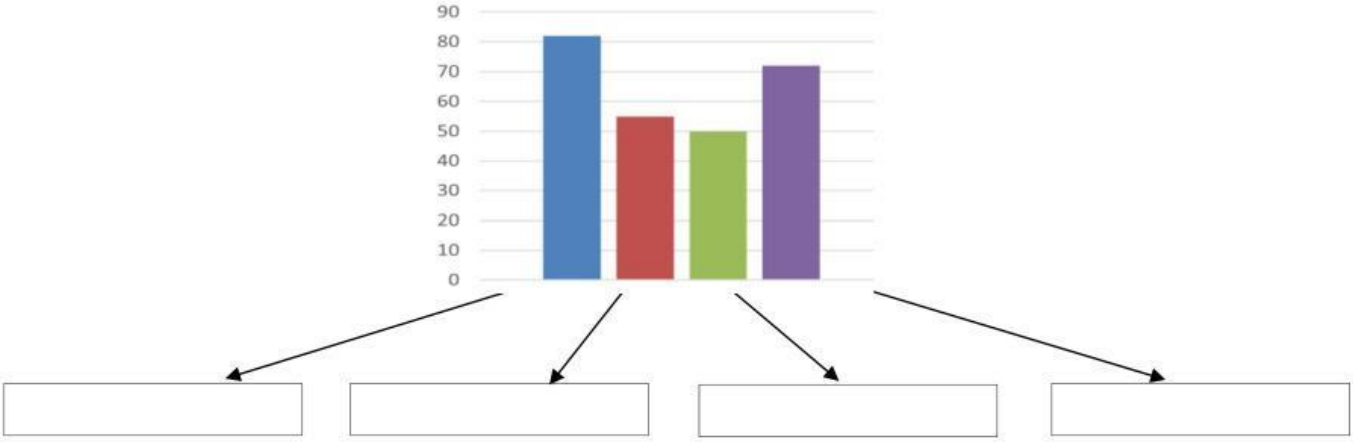
12. The graph shows the temperature in Jackson, Mississippi, for each season in order. Which season does each bar graph most likely describe? Under each graph write (**Winter- Spring – Summer or Fall**). The graph may begin at any season of the year.

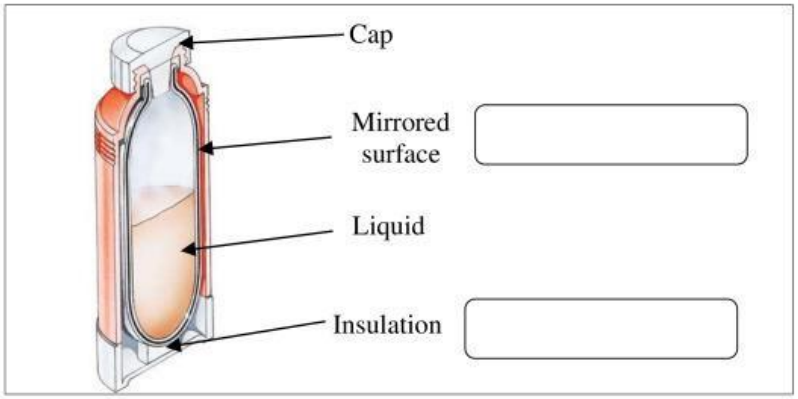


13. Three children looked into the night sky on different days. They drew how the Moon looked in the sky. These are their drawings.

Which pattern do the children observe?

a. The Moon is hard to see at night
b. The Moon seems to change from night to night
c. The moon appears to change as it moves across the sky
d. The Moon is in the sky when the Sun is also in the sky

14. An insulated flask keeps liquids hotter or cooler than the surrounding temperature for longer than a non-insulted flask. The diagram shows an insulated flask. The flask's inside portion has glass walls coated with a mirror-like paint. Which parts of the insulated flask reduce each type of heat transfer? **Write conduction, convection, or radiation** in the boxes that reduce that type of heat transfer.



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