

Name: _____

Date: _____

Grade 2 Middle-of -Year Science Assessment

1. Rashaunda collected rocks from her backyard and the school playground. Which of the following is most likely true about Rashaunda's rock collection?
 - A. The rocks were all small, round, and brown.
 - B. The rocks were all different shapes, sizes, and colors.
 - C. The rocks were all small, but some were pointy, and others were grey.
 - D. The rocks were all round and brown, but some were big, and others were small.

2. Jarvis went outside and collected soil samples. He looked at the soil with his hand lens. What did he see in the soil?
 - A. Seashells and worms
 - B. Rocks and dead plants
 - C. Salt and bugs
 - D. Flowers and dirt

3. Edgar knows that water can be a solid, a liquid, or a gas. His teacher described a kind of water that was hard, did not change shape, and was cold. What was his teacher describing?
 - A. Liquid water
 - B. Frozen water
 - C. Boiled water
 - D. Gaseous water

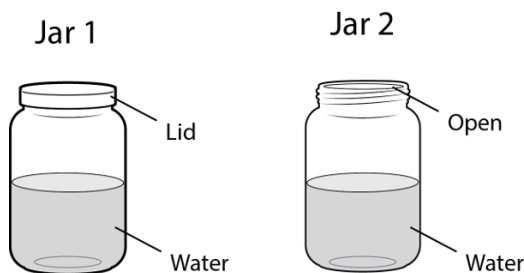
4. Students in Mrs. Gonzales' class collected several soil samples shown in this picture. The students need to test the soil to classify it. Which is a test they should do to the soil?
 - A. Mix in salt and bugs to see what happens.
 - B. Heat the soil and observe if it gets hard.
 - C. Pour water into the soil to see how much it holds.
 - D. Freeze the soil to see if it changes.



5. Alexa loves to wear her favorite sweatshirt in the wintertime, but now it's spring and getting too warm to wear. How long will she have to wait until it's winter again?
- A. One year
 - B. One month
 - C. One day
 - D. One season

Use the following picture and information for Questions 6 and 7.

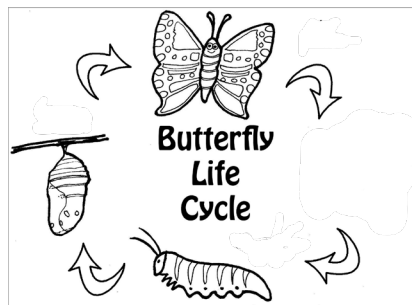
6. Mr. Higgins left two jars of water near the classroom window. Both jars had the same amount of water in them when he started. Jar 1 was closed, and Jar 2 was open.



What statement describes what Mr. Higgins will **most likely** observe in a few days?

- A. Both jars will be completely empty.
 - B. Jar 1 will have less water than Jar 2.
 - C. Jar 2 will have less water than Jar 1.
 - D. Both jars will have the same amount of water.
7. The Sun was shining through the window all day. When Mr. Higgins touches the jars how will they most likely feel?
- A. The jars will feel wet.
 - B. The jars will feel cold.
 - C. The jars will feel slimy.
 - D. The jars will feel warm.
8. Which of the following is the **best** description of what scientists do?
- A. Scientists always work alone to make things they enjoy.
 - B. Scientists find new ways to solve problems.
 - C. Scientists work in groups to build inventions.
 - D. Scientists travel the world looking for new animals.

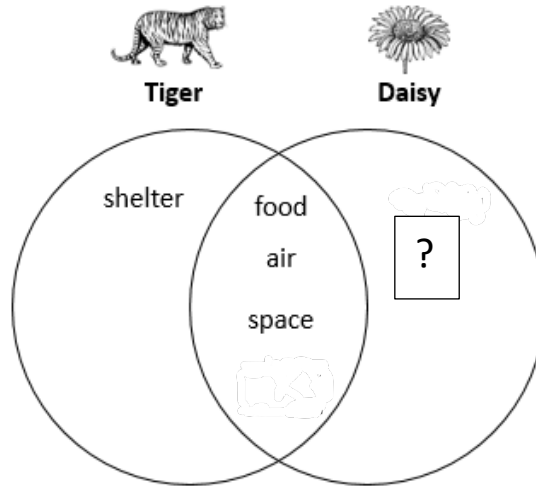
9. Harmony told Melody that air is all around us and air can move. What is a question Melody could ask to investigate moving air?
- A. How do sailboats work?
 - B. How long can I hold my breath?
 - C. How big can you blow up a balloon?
 - D. How do birds fly?
10. The weatherman said there is a hurricane coming. Marisol told her family they need to plan for this severe weather. Which of the following is **not** a reason to plan for a hurricane?
- A. It might be hard to find food and water.
 - B. The power might be out for a long time.
 - C. Cell phones might stop working.
 - D. The pets might hide in the closet.
11. Ursula is eating lunch. What body part allows Ursula to get energy from the food she eats?
- A. Stomach
 - B. Lungs
 - C. Brain
 - D. Heart
12. Ms. Morph put up a poster of the butterfly life cycle in her classroom. Sometimes she will cover up part of it to quiz the students.



What is missing from the butterfly life cycle poster?

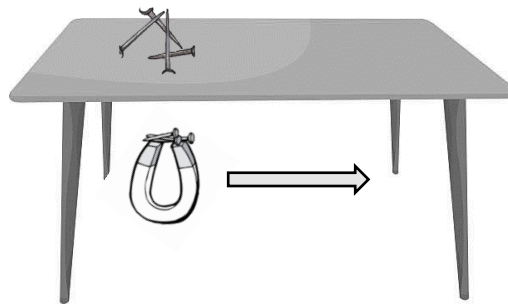
- A. Adult
- B. Larva
- C. Chrysalis
- D. Eggs

13. Kyle made a Venn Diagram to compare and contrast the basic needs of a tiger and a daisy. In the middle, he listed the things both a tiger and a daisy need. What basic need could be filled into the box with the question mark?



- A. Water
- B. Sunlight
- C. Seeds
- D. Flowers

14. Lee Anne was playing around with a magnet that her teacher had given her. She placed some iron nails on top of the table and placed the magnet under the table. Then she moved the magnet under the table from left to right.



What happened to the nails on the table?

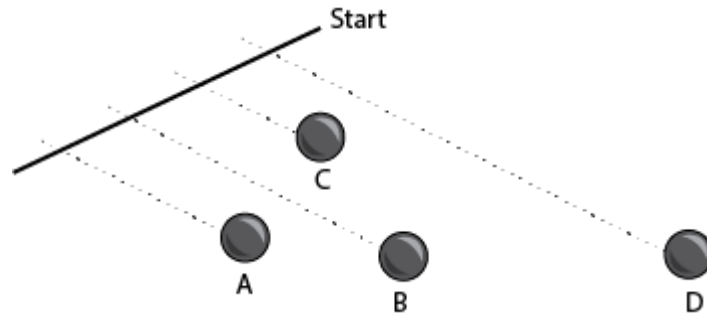
- A. They did not move.
- B. They moved from right to left.
- C. They moved from left to right.
- D. They stuck to the magnet.

15. Gavin went to the zoo with his mom and saw a tiger. Gavin decided he wanted to get a pet tiger for his home. Is this a good idea? Why or why not? Choose the best answer.
- A. Yes, it's a good idea. A tiger would like to live in a house.
 - B. Yes, it's a good idea. Zoos do not provide the basic needs of living things.
 - C. No, it's a bad idea. Tigers need to live in open spaces.
 - D. No, it's a bad idea. Tigers need to be locked up behind fences.
16. What will happen if Margaret applies force to the wagon?



- A. The wagon will get hot.
 - B. The wagon will stay still.
 - C. The wagon will move.
 - D. The wagon will change shape.
17. Audrey was doing a science investigation at home. She filled her bathtub with water and then placed a balloon on top of the water. The balloon did not sink to the bottom. Choose the **best** explanation.
- A. Gravity pulls balloons down.
 - B. The water held up the balloon.
 - C. The balloon was not heavy.
 - D. The water was not hot enough for a bath.

18. Eric has four of the same kind of marbles. He pushed each one from a starting line.



Which marble was probably pushed the lightest?

- A. Marble A
- B. Marble B
- C. Marble C
- D. Marble D

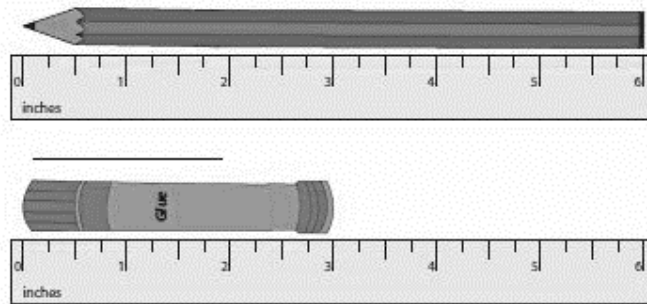
19. Which of the following describes a liquid?

- A. A liquid takes the shape of its container.
- B. A liquid can change its size.
- C. A liquid keeps its shape and size.
- D. A liquid can escape into air from an open container.

20. Which of these is an example of a solid?

- A. Steam
- B. Ice
- C. Water
- D. Air

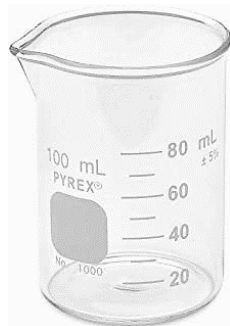
21. Lonny measured a pencil and glue stick.



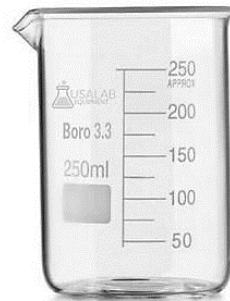
Which statement is **not** correct?

- A. The pencil is 6 inches long.
- B. The glue stick is 4 inches long.
- C. The pencil is 3 inches longer than the glue stick.
- D. The glue stick is 3 inches shorter than the pencil.

22. Mr. Wizant bought two beakers from a science store as seen below.



Beaker A

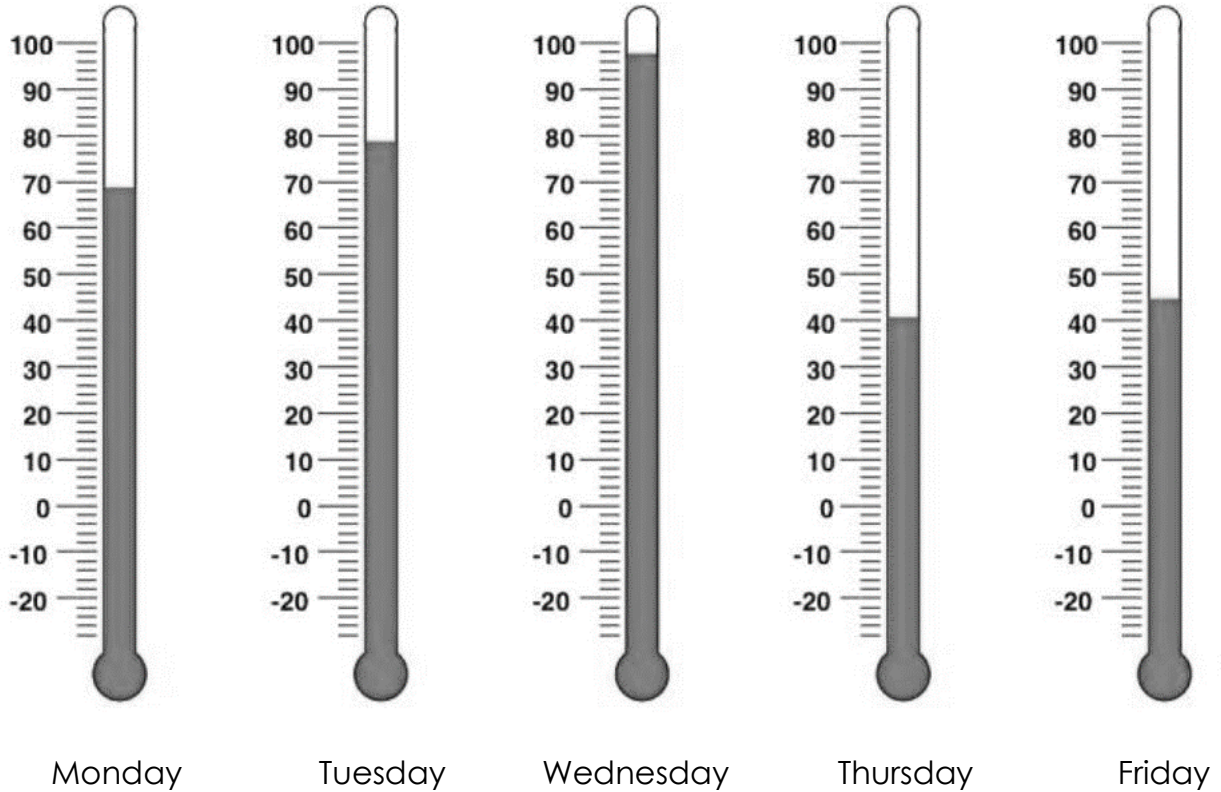


Beaker B

Read the choices below and choose the **correct** statement.

- A. Beaker A holds more than Beaker B
- B. Beaker B holds more than Beaker A
- C. Beakers A and B hold the same amount.
- D. Beaker B is smaller than Beaker A.

23. The temperature outside was recorded every day at 12:00 pm for 5 days.



Which two days had the most similar temperatures?

- A. Monday and Tuesday
- B. Tuesday and Wednesday
- C. Wednesday and Thursday
- D. Thursday and Friday

24. The students in Mrs. Hamm’s class put two objects outside in the sunlight for one week. Will the objects both change in the same way?

- A. Yes, they will change in the same way.
- B. No, they will change in different ways.
- C. No. They will not change at all.
- D. It depends on the objects.

25. Tara uses a fireplace in the wintertime. Jeanine uses a stove in her kitchen. What kind of energy do they produce?



Fireplace



Stove

- A. Electrical
- B. Mechanical
- C. Thermal
- D. Chemical

26. Alisha told Nira that there are some sunflowers that can grow taller than them. Nira can't believe it! What is something Nira could ask Alisha?

- A. How do you know?
- B. Do you like sunflowers?
- C. What do sunflowers look like?
- D. Can you eat sunflowers?

27. Latavia observed her cat that was lying on the floor.



Which is an inference and **not** an observation?

- A. The cat has fur.
- B. The cat has sharp nails.
- C. The cat likes people.
- D. The cat has a long tail.

28. Mr. Tauro's class wants to learn more about magnetism. What is **not** something they should do?
- A. Keep their results to themselves
 - B. Ask a lot of questions
 - C. Work in groups to explore
 - D. Repeat their experiment at least three times
29. Jennifer and Marc are studying about the temperature of liquids. They both are using thermometers. Jennifer measured the water from the hallway fountain. Marc measured the chocolate milk at lunch. What should they do when they get back to their classroom?
- A. Draw pictures of the thermometer
 - B. Compare their observations
 - C. Write a story about liquids
 - D. Choose which liquid tasted better
30. Two classes are investigating what objects will sink and float. Both classes tested the same objects. What statement should be true?
- A. Both classes got the same results.
 - B. Both classes got different results.
 - C. Each class should have tried different objects.
 - D. Heavy objects will always sink.

Answer Key: Grade 2 Middle-of-Year Science Assessment

Question #	Correct Answer	Standard
1	B	SC.2.E.6.1
2	B	SC.2.E.6.2
3	B	SC.2.P.8.4
4	C	SC.2.E.6.3
5	A	SC.2.E.7.1
6	C	SC.2.E.7.3
7	D	SC.2.E.7.2
8	B	SC.2.N.1.6
9	A	SC.2.E.7.4
10	D	SC.2.E.7.5
11	A	SC.2.L.14.1
12	D	SC.2.L.16.1
13	B	SC.2.L.17.1
14	C	SC.2.P.13.2
15	C	SC.2.L.17.2
16	C	SC.2.P.13.1
17	B	SC.2.P.13.3
18	C	SC.2.P.13.4
19	A	SC.2.P.8.3
20	B	SC.2.P.8.2
21	B	SC.2.P.8.1
22	B	SC.2.P.8.6
23	D	SC.2.P.8.5
24	D	SC.2.P.9.1
25	C	SC.2.P.10.1
26	A	SC.2.N.1.3
27	C	SC.2.N.1.5
28	A	SC.2.N.1.1
29	B	SC.2.N.1.2
30	A	SC.2.N.1.4