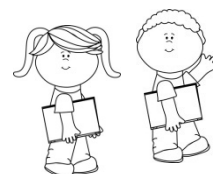


Science (Baseline) Test

Evaluation of Science Education Initiative Fellowship Program
Abdul Latif Jameel Poverty Action Lab (J-PaL), South Asia

Time: 40 minutes

TO BE FILLED IN BY STUDENT



1. **Student Name:** _____

2. **School ID:** _____

3. **School Region :**

A. Aundh

D. Sahakarnagar

B. Bibwewadi

E. Shivajinagar

C. Karvenagar

F. Yerawada

4. **Fellow ID (who is conducting test):** _____

5. **Grade:**

A. Grade 5

B. Grade 6

6. **Date (day/month/year):** ____ / ____ / ____ _

TO BE FILLED IN BY SEI FELLOW

7. **Student ID:** _____

- ☺ Read each question carefully and then answer.
- ☺ Make sure you answer every question
- ☺ Draw a circle on the correct answer option.
- ☺ There is only one correct answer for each question. Do not circle more than one answer for any question.
- ☺ If you circled a wrong answer, and now want to circle a different answer for the question, cross out the previous answer, then circle the correct answer.

See the example below.

$10 - 1 = \underline{\hspace{1cm}}$ A. 5 B. 0 C. 9 D. 10	
↓	
$10 - 1 = \underline{\hspace{1cm}}$ A. 5 B. 0 C. 9 D. 10	✗
$10 - 1 = \underline{\hspace{1cm}}$ A. 5 B. 0 C. 9 D. 10	✓
$10 - 1 = \underline{\hspace{1cm}}$ A. 5 B. 0 C. 9 D. 10	✗
$10 - 1 = \underline{\hspace{1cm}}$ A. 5 B. 0 C. 9 D. 10	✓

You can now start your test. You have 40 minutes to finish. Try your best on every question!

1. Which of these grows from a seed?

- A. Ant
 - B. Grass
 - C. Mosquito
 - D. Caterpillar
-

2. Some people have straight hair and some have curly hair. What decides whether a person will be born with curly hair or straight hair?

- A. The type of hair their parents have
 - B. The type of hair their brothers and sisters have
 - C. Their hair color
 - D. Their skin color
-

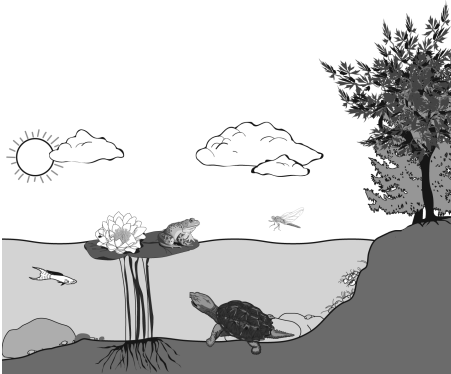
3. The table below shows the distance from the sun of four planets.

	Earth	Mars	Mercury	Saturn
Approximate distance from the sun (millions km)	150	230	58	1,400

Which of these planets is closest to the sun?

- A. Earth
 - B. Mars
 - C. Mercury
 - D. Saturn
-

4. The picture below shows a pond.

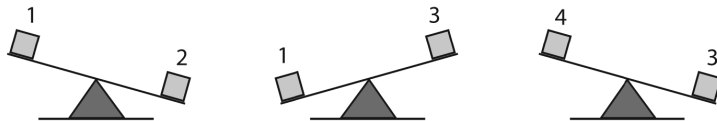


Which of the following are three living things shown in this picture?

- A. Frog - sun - rock
 - B. Tree - cloud - sun
 - C. Turtle - frog - rock
 - D. Tree - turtle - frog
-

5. Radhika has a balance and four cubes (1, 2, 3, 4). The cubes are made of different materials.

She puts two cubes at a time on the balance and observes the following results.



What can she conclude about the weight of cube 2?

- A. It is heavier than cubes 1, 3, and 4.
- B. It is heavier than cube 1, but lighter than cubes 3 and 4.
- C. It is heavier than cube 3, but lighter than cubes 1 and 4.
- D. It is heavier than cube 4, but lighter than cubes 1 and 3.

6. Water that has its salt removed before it can be used as drinking water is most likely to come from _____.

- A. underground
 - B. a river
 - C. a lake
 - D. a sea
-

7. Some animals are very rare. For example, there are very few Siberian tigers. If the only Siberian tigers left are female, what will most likely happen?

- A. The females will find another type of male animal to mate with and produce more Siberian tigers.
 - B. The females will mate with each other and produce more Siberian tigers.
 - C. The females will only be able to produce female Siberian tigers.
 - D. The females will not be able to produce more Siberian tigers, and they will die out.
-

8. Your temperature is taken when you are NOT sick. Which temperature is CLOSEST to what the thermometer would show?

- A. 29°C
 - B. 37°C
 - C. 100°C
 - D. 212°C
-

9. A powder made up of both white specks and black specks is likely to be _____.

- A. a solution
 - B. a pure compound
 - C. a mixture
 - D. an element
-

10. This table shows the temperature and precipitation (rain or snow) in four different towns on the same day.

	Town A	Town B	Town C	Town D
Lowest temperature	13 °C	-9 °C	22 °C	-12 °C
Highest temperature	25 °C	-1 °C	30 °C	-4 °C
Precipitation (rain or snow)	0 cm	5 cm	2.5 cm	0 cm

Where did it snow?

- A. Town A
 - B. Town B
 - C. Town C
 - D. Town D
-

11. The Moon produces no light, and yet it shines at night. Why is this?

- A. The Moon reflects the light from the Sun.
 - B. The Moon rotates at a very high speed.
 - C. The Moon is covered with a thin layer of ice.
 - D. The Moon has many craters.
-

12. Each year the Earth moves once around _____.

- A. Mars
 - B. the Sun
 - C. the Moon
 - D. all of the other planets
-

13. Humans interpret seeing, hearing, tasting, and smelling in the _____.

A. brain

C. receptors

B. spinal cord

D. skin

14. How can washing your hands help keep you from getting sick?

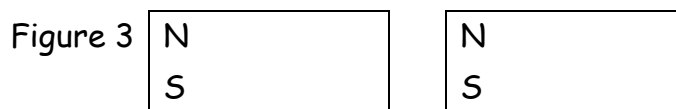
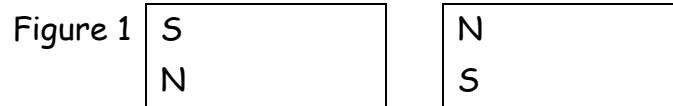
A. It washes away your germs.

B. It makes your hands look nice.

C. It keeps your skin from drying out.

D. It makes your hands warmer.

15. Which of the figures below shows a situation where two magnets repel each other?



A. Figures 1 and 3

C. Figures 1 and 4

B. Figures 2 and 3

D. Figures 1, 2, 3, and 4

16. Pranav sees a full moon. About how much time will go by before the next full moon?

- A. One week
 - B. Two weeks
 - C. One month
 - D. One year
-

17. Anuja is biking uphill.



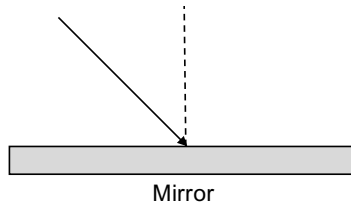
Where does Anuja get her energy to bike uphill?

- A. From the food she has eaten
 - B. From the exercise she did earlier
 - C. From the ground she is biking on
 - D. From the bicycle she is riding
-

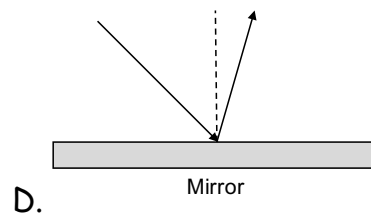
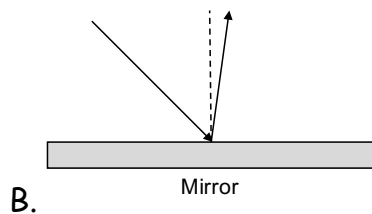
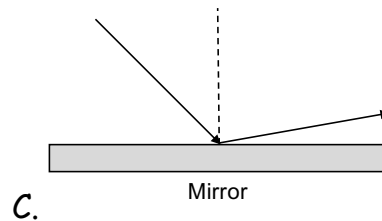
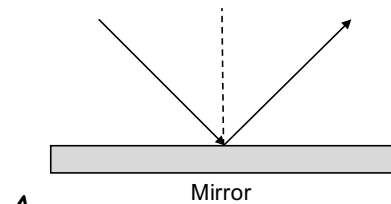
18. Which of these things will dissolve in water?

- A. Iron filings
- B. Wood chips
- C. Sand
- D. Sugar

19. A beam of light strikes a mirror as shown below.



Which picture best shows what the reflected light would look like?



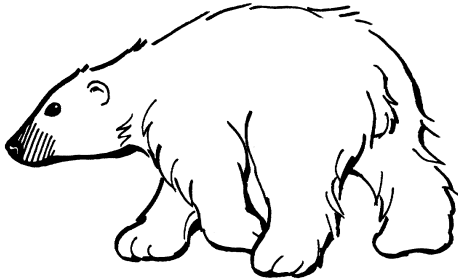
20. A predator is an animal that feeds on other animals. Which of these is a predator?

- A. Deer
- B. Wolf
- C. Cow
- D. Goat

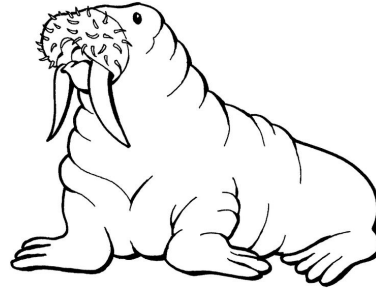
21. Why are many desert animals more active at night?

- A. It is drier at night.
- B. It is cooler at night.
- C. There is less danger at night.
- D. There is less wind at night.

22. Polar bears and walruses look very different, but both can survive in the extreme cold. A polar bear has a thick coat of fur that helps keep it warm. The walrus has no fur.



Polar bear



Walrus

What does the walrus have that helps it keep warm?

- A. Fat layers
- B. Tusks
- C. Whiskers
- D. Flippers

-
23. Plants grow best in soils that are rich in which of the following?

- A. Grains of sand
 - B. Lumps of clay
 - C. Layers of gravel
 - D. Decaying plants and animals
-

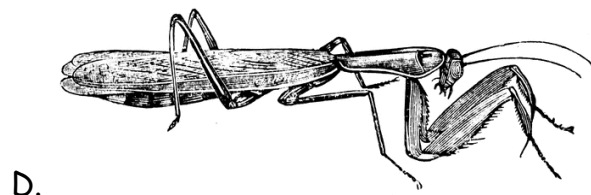
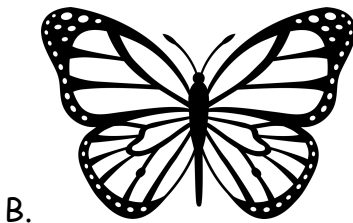
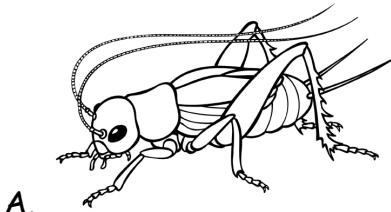
24. Which animal produces milk for its young?

- A. Chicken
 - B. Frog
 - C. Monkey
 - D. Snake
-

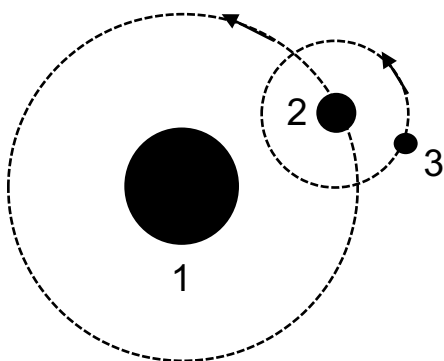
25. When this caterpillar
will it look like?



becomes an adult, what



26. The figure shows Earth, the Moon, and the Sun. Each body is labeled by a number. The arrows show the direction each body is moving.



Which is the body labeled 2?

- A. Earth
 - B. The Moon
 - C. The Sun
 - D. It is not possible to say with the information provided
-

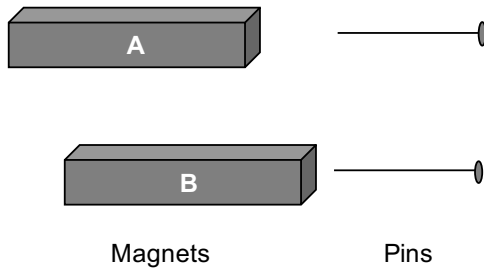
27. Kavya goes shopping and buys many things. She wants to use a bag that she can reuse several times and is environmentally friendly. She should

- _____.
- A. use a cloth bag
 - B. use a new brown paper bag
 - C. use the plastic bag supplied by the shop
 - D. bring many plastic bags from home and put one item in each bag
-

28. Water, ice, and steam all have different temperatures. What is the order from coldest to hottest?

- | | |
|----------------------|----------------------|
| A. Ice, water, steam | C. Steam, ice, water |
| B. Ice, steam, water | D. Steam, water, ice |
-

Megha has two magnets (A and B) and two metal pins that are the same. She slides Magnet A along a table until a pin is attracted to the magnet. She slides Magnet B along a table until a pin is attracted to the magnet.



She finds that Magnet A attracts the pin from 15cm and Magnet B attracts the pin from 10 cm.

Which magnet is stronger?

- A. Magnet A is stronger
- B. Magnet B is stronger
- C. Both are equally strong
- D. It is not possible to say with the information provided

The properties of three materials are compared in the table below.

Property	Material 1	Material 2	Material 3
Sinks in water?	Yes	No	Yes
Burns easily?	No	Yes	No
Attracted by a magnet?	Yes	No	No

Which is Material 3?

- A. Wood
 - B. Rock
 - C. Iron
 - D. It is not possible to say with the information provided
-