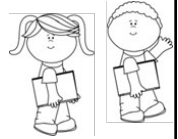


SCIENCE ASSESSMENT (ENDLINE)

Impact Evaluation of Science Education Initiative's Fellowship Program
Abdul Latif Jameel Poverty Action Lab (J-PAL) South Asia

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: _____

5. Grade:

A. Grade 5

B. Grade 6

6. Date (day/month/year): ____ / 03 / 2018

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. A strong magnet will separate a mixture of:

- A. Clear glass and green glass
 - B. Paper cups and plastic cups
 - C. Iron nails and aluminum nails
 - D. Sand and salt
-

6. This is a drawing of a bird's foot.



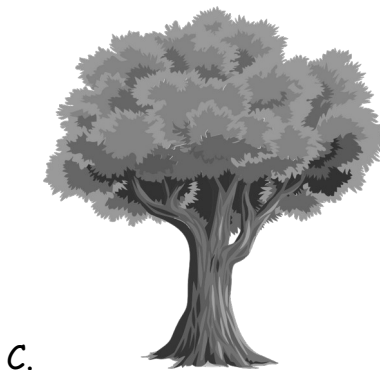
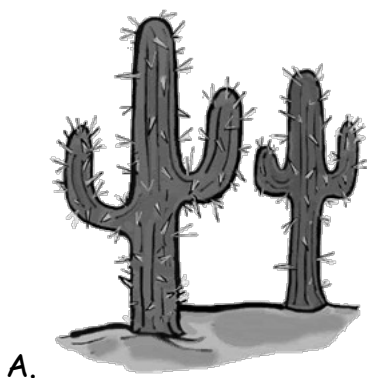
Where would you be most likely to find such a bird?

- A. A forest
- B. A meadow
- C. A desert
- D. A lake

7. A baby chick grows inside an egg for 21 days before it hatches. Where does the baby chick get its food before it hatches?

- A. It is fed by the mother hen
- B. It doesn't need any food
- C. It makes its own food
- D. It uses food stored in the egg

8. Which picture shows a plant commonly found in a desert?

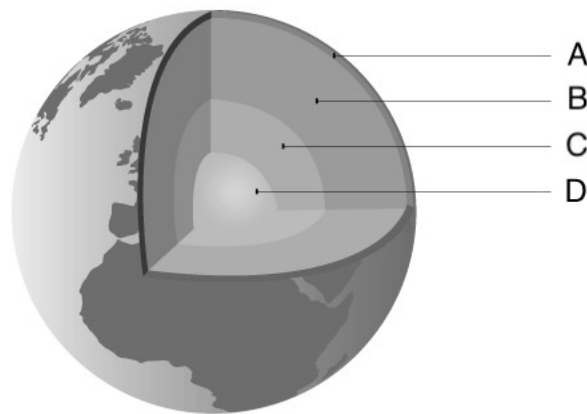


9. A powder made up of both white specks and black specks is likely to be _____.

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

10. Immediately before and after running a 50-meter race, your pulse and breathing rates are taken. What changes would you expect to find?
- A. No change in pulse, but a decrease in breathing rate
 - B. An increase in pulse, but no change in breathing rate
 - C. An increase in pulse and breathing rate
 - D. No change in either
-

11. The picture shows the four main layers of the Earth.



Which layer is the hottest?

- A. Layer A
 - B. Layer B
 - C. Layer C
 - D. Layer D
-
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
B. spinal cord
C. receptors
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. A renewable energy source is a source that will not run out. Which is an example of the use of such a source?

- | | |
|---------------------------------------|--|
| A. A coal furnace heating a house | C. A kerosene lamp lighting a room |
| B. A windmill pumping water on a farm | D. A diesel truck traveling along a road |
-

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

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

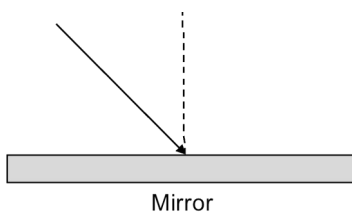
17. When you make soap bubbles, what is inside the bubbles?

- | | |
|---------|------------|
| A. Air | C. Water |
| B. Soap | D. Nothing |
-

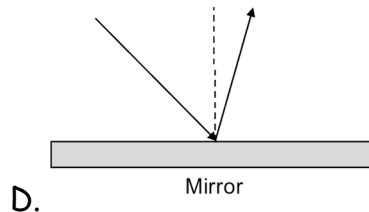
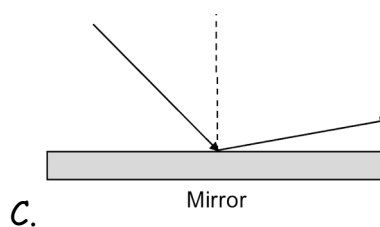
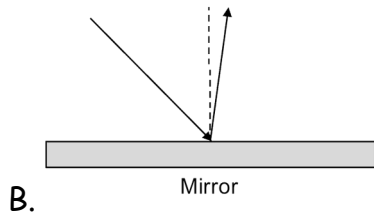
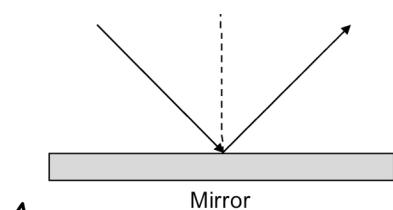
18. Which of these things will dissolve in water?

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

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



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



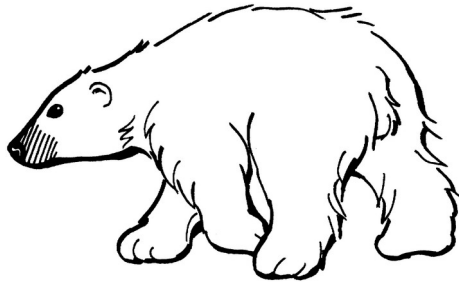
20. A predator is an animal that feeds on other animals. Which of these is a predator?

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

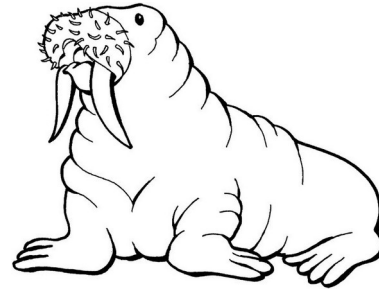
21. If the body takes in more food than it uses,

- A. Breathing becomes faster
- B. Weight is lost
- C. The heart rate increases
- D. The food is stored as fat

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. What covers most of the Earth's surface?

- A. Water
 - B. Bare rock
 - C. Farm land
 - D. Cities and towns
-

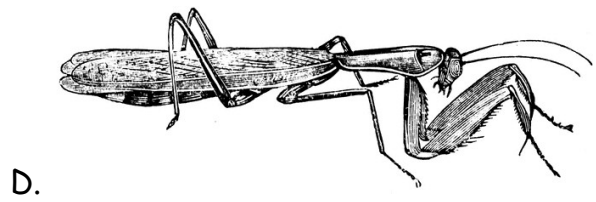
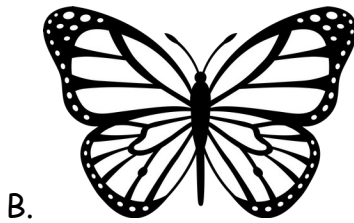
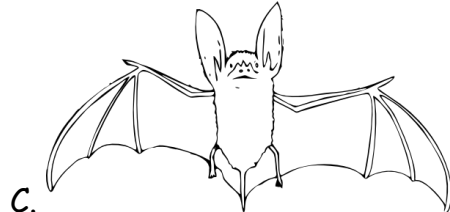
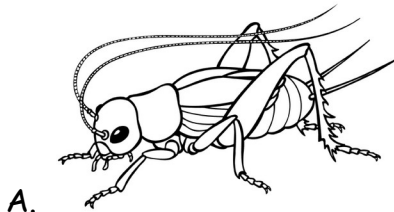
24. Which of the materials below will burn?

- A. Water
 - B. Wood
 - C. Sand
 - D. Air
-

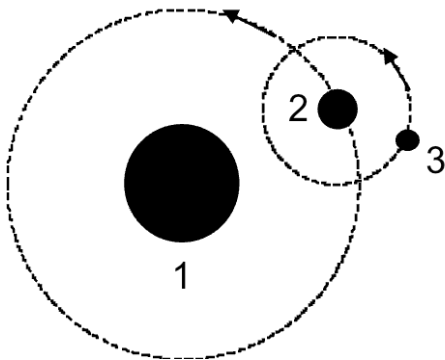
25. When this caterpillar



becomes an adult, what will it look like?



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

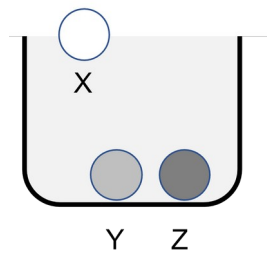
_____.

- 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 |

29. Mustufa has three objects that are the same shape and size. He puts three objects in a beaker of water. He observes that X floats, but Y and Z both sink.



What can he tell about the weight of object X compared to Y and Z?

- A. X is lighter than Y or Z**
- B. X is heavier than Y or Z**
- C. X is lighter than Y and heavier than Z**
- D. X is heavier than Y and lighter than Z**

30. Which of the following runs only on electricity?

- A. A sailboat**
 - B. A motorcycle**
 - C. A ceiling fan**
 - D. A steam engine**
-

31. Three objects are the same shape and size. One is made of wood, one is made of iron, and one is made of Styrofoam. Which statement about the weights of these objects is most likely to be correct?

- A. The wood object is the heaviest**
 - B. The iron object is the heaviest**
 - C. The Styrofoam object is the heaviest**
 - D. All three objects weight the same**
-

32. Which animal produces milk for its young?

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

33. Which of the objects listed in the table has the greatest density?

Object	Mass of the object	Volume of the object
A	11.0 grams	24 cm ³
B	11.0 grams	12 cm ³
C	5.5 grams	4 cm ³
D	5.5 grams	11 cm ³

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

34. The walls of a building are to be painted to reflect as much light as possible. What color should they be painted?

- A. White
 - B. Red
 - C. Black
 - D. Pink
-