

Living And Non-living Things

For each of the questions, choose the correct option and write its number (1, 2, 3 or 4) in the brackets.

1. A group of students are discussing about the characteristics of living things.

Adina : All living things are able to move from place to place by themselves.

Brady : Not all fish reproduce by laying eggs.

Chapman : Only plants rely on the sun for survival while the rest of the living things do not need the sun to survive.

Dakota : All living things respond to changes in the environment.

Which students have made the correct comment?

(1) Brady and Dakota

(2) Brady and Chapman

(3) Adina, Brady and Dakota

(4) Adina, Brady and Chapman

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2. Study the table shown below carefully.

Characteristics of living things	Organism A
Reproduce through spores	✓
Able to feed on dead matter	×
Need sunlight to make its own food	✓

Which of the following can organism A be?

A. shiitake mushroom

B. mosquito fern

C. portobello mushroom

D. staghorn fern

(1) A and B only

(2) B and C only

(3) B and D only

(4) A, B, C and D

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3. A maize plant is not able to survive in the desert. What could be a possible reason?

(1) There is not enough air.

(2) There is not enough water.

(3) It is not able to move about on its own.

(4) There is not enough food for it to feed on.

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4. Study the table given below.

Group M	Group N
elephant	Boston fern
mynah	hydrilla
toadstool	sunflower plant
grasshopper	flame of the forest

What are suitable headings for groups M and N?

	Group M	Group N
(1)	Can move about on its own	Cannot move about on its own
(2)	Cannot make its own food	Can make its own food
(3)	Animals	Plants
(4)	Cannot reproduce by spores	Can reproduce by spores

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5. Study the pictures below.



hawk



bat



ladybird



penguin

What are the common characteristics of the four living organisms?

- A. All of them can escape from danger.
- B. All of them reproduce by laying eggs.
- C. All of them are warm-blooded animals.
- D. All of them can fly.

- (1) A only
- (2) A and B only
- (3) A and D only
- (4) A, B, C and D

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6. Which of the following non-living things are never alive?

- A. window grille
- B. leather purse
- C. sandcastle
- D. fur coat

- (1) A and B only
- (2) A and C only
- (3) B and D only
- (4) A, B, C and D

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Living And Non-living Things

1. (1)

Plants are a group of living things that are not able to move from place to place by themselves. Most fish reproduce by laying eggs except for the guppy, molly fish, swordtail and some sharks. All living things depend on the sun for survival. Even if the animals do not need the sun to make food, they need the heat energy from the sun to keep them warm. Lastly, all living things respond to changes around them.

2. (3)

Ferns do not feed on dead matter unlike fungi. Although both ferns and fungi reproduce through spores, only ferns are able to make their own food in the presence of sunlight.

3. (2)

Water is scarce in the desert. Therefore, there is not enough water for the maize plant to survive in the desert as it is unable to store water in the stem like the cactus.

4. (2)

Although all the things in group N are plants, not all the things in group M are animals. The toadstool is not an animal. Neither is it able to move about on its own. All the plants in group N are able to make their own food but not the organisms in group M. All the organisms in group M cannot reproduce by spores except the toadstool.

5. (1)

The four living organisms shown respond to danger by escaping from it. The penguin is the only animal among them which cannot fly. Apart from the bat, the other organisms reproduce by laying eggs. Unlike the ladybird, the hawk, the bat and the penguin are warm-blooded organisms.

6. (2)

Both the window grille and sandcastle are never alive. The window grille is made from metal which is derived from the ground. The sandcastle is made of sand which is also from the ground. Leather is the hide or skin of an animal. Therefore, the leather purse comes from a living thing that was once alive. The fur from an animal is used to make the fur coat, so it is also a non-living thing that was once alive.