



Natural Science and Technology – Grade 4

Welcome to your Conquesta Olympiad. When you have decided which of the answers is correct, scratch out the letter in the matching square on your answer sheet. Example:- If the answer to question 4 is c, then scratch out the letter c in the square containing c next to the number 4 (see example 1 below). If you've made a mistake and b should have been the answer, neatly cross out the mistake and then scratch out b (see example 2 below).

Example 1:- 4. a b ~~c~~ d

Example 2:- 4. a ~~b~~ ~~c~~ d

1. Sunflowers were given their name because they turn to face the sun. This is an example of which life process?



- (a) Growing. (b) Feeding.
(c) Moving. (d) Breathing.

2. Cliff swallows build their nests high up on the cliffs. What life process do we associate with eggs in the nest?

- (a) Feeding. (b) Reproducing.
(c) Moving. (d) Breathing.

3. If you accidentally touch a very hot object and you pull your hand back quickly, which life process are you demonstrating?

- (a) Excretion. (b) Nutrition.
(c) Sensitivity. (d) Respiration.

4. Which of these is true?

- (a) Only animals share the seven life processes.
(b) Only plants share the seven life processes.
(c) Plants and animals share all seven life processes.
(d) Plants and animals only share four life processes.

5. Which of these is not a living thing?

- (a) Dried yeast. (b) Dried bean seed.
(c) Fertilised bird egg. (d) A fossil.

6. Which condition is not necessary for a seed to germinate?

- (a) Moisture. (b) Oxygen.
(c) Sunlight. (d) Warmth.



7. Which part of the plant is responsible for absorbing water and minerals from the soil?

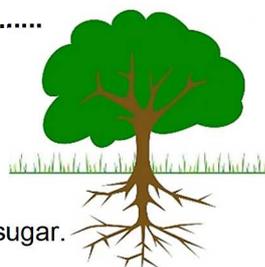
- (a) Leaf. (b) Roots. (c) Stem. (d) Fruit.

8. Which part of the plant attracts pollinators to help the plant reproduce?

- (a) Roots. (b) Stem. (c) Leaf. (d) Flower.

9. Plants take in and release

- (a) oxygen, carbon dioxide.
(b) carbon dioxide, oxygen.
(c) oxygen, nitrogen.
(d) nitrogen, carbon dioxide.



10. What do plants need to grow?

- (a) Oxygen, carbon dioxide and sugar.
(b) Sugar, water and air.
(c) Sunlight, water and air.
(d) Carbon dioxide, water and rocks.

11. Which of these is the correct definition of a habitat?

- (a) A national park where animals are kept.
(b) A place where plants and animals are found naturally.
(c) A national zoological garden.
(d) A sanctuary for endangered species.

12. Which of these animals would not be found in a dry semi-desert?

- (a) Lizard. (b) Snake. (c) Frog. (d) Spider.

13. Animals need a habitat for food,

- (a) water and soil.
(b) water and shelter.
(c) reproduction and protection.
(d) protection and camouflage.



14. A trait that helps a living thing survive in its environment, is

- (a) extinct. (b) instinct.
(c) adaptation. (d) life cycle.

15. Which features are examples of traits that help animals survive in their environments?

- (a) A long tail for balance, and sharp claws to climb trees.
(b) Four legs, two ears, a nose and a mouth.
(c) Two eyes, neck and a mass of about 100 kgs.
(d) Sleeps during the day, and is active at night.

16. Which of these is not an example of reproduction?

- (a) A dandelion produces and disperses its seeds.
(b) A cat has kittens.
(c) A large rock is crushed into thousands of small pieces of gravel.
(d) A strawberry plant runner grows a new plantlet.

17. Which animal has a different type of body covering from the rest?

