

MCE Singapore Science Competition Sample Questions

Grade 3

19. At which stage of its life cycle does a butterfly **not** feed?

(1) Pupa only

(2) Larva only

(3) Larva and pupa only

(4) Pupa and adult only

20. Which of these materials can a magnet be made of?

(1) Steel

(2) Silver

(3) Copper

(4) Aluminium

14. What is the name given to high-speed trains that float above the tracks? **(maglev)**

15. In an experiment, we change only one _____ at a time to conduct a fair test. **(variable)**

Grade 4

2. What is the purpose of the tiny openings on leaves?

- (1) To absorb food
- (2) To absorb water
- (3) To exchange gases**
- (4) To keep the plant upright

3. What do roots absorb?

- (1) Soil only
- (2) Food only
- (3) Water only
- (4) Water and mineral salts**

7. Matter is anything that has _____ and occupies space.
(mass)

8. What do we call the amount of space that an object occupies?
(volume)

Grade 5

17. Wet clothes hanging on a clothesline dry due to _____.

- (1) boiling
- (2) melting
- (3) evaporation**
- (4) condensation

18. The continuous movement of water from the Earth to the sky and back to the Earth is known as _____.

- (1) rain
- (2) clouds
- (3) evaporation
- (4) the water cycle**

14. In a circuit, if one bulb fuses, the other bulbs continue to light up. The bulbs are connected in _____. (**parallel**)

15. One way to generate electricity is by burning _____ fuels such as coal. (**fossil**)

Grade 6

19. Which of these is **not** true about fossil fuels?

- (1) Fossil fuels cannot be replaced.
- (2) Fossil fuels are used to generate electricity.
- (3) Coal, oil and wood are examples of fossil fuels.**
- (4) Fossil fuels were formed from the remains of living things millions of years ago.

20. Which of these is an effect of global warming?

- (1) flooding**
- (2) pollution
- (3) deforestation
- (4) greenhouse effect

5. An animal that hunts and eats other animals is called a _____ . **(predator)**

6. Which is the producer in the food chain shown below? **(grass)**

Gras → Grasshopper → Lizard → Snake