

UNITED ARAB EMIRATES
MINISTRY OF EDUCATION



الإمارات العربية المتحدة
وزارة التربية والتعليم

Khalifa City A School - Cycle 1

مدرسة مدينة خليفة أ / حلقة أولى

SCIENCE
MCQ QUESTIONS FROM BOOK
TERM 3



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1. **Test Prep** What happens as you apply your bicycle brakes?
- A You increase friction.
 - B You increase gravity.
 - C You speed up.
 - D You decrease friction.

2. **Test Prep** What slows down the movement of a plane?
- A thrust
 - B drag
 - C buoyancy
 - D lift

3. Students collected the following data about the motion of vehicles designed by students.

Student	Distance Traveled (m)	Time (s)
Omar	69	10
Ziyad	77	10
Ahmad	74	10
Khaled	82	10

What is the speed of the fastest vehicle?

- A 6.9 m/s
- B 69 m/s
- C 8.2 m/s
- D 82 m/s

4.

Engineers are trying to fix a problem with the brakes of a train. Which of these should they change?

- A thrust
- B heat
- C friction
- D electricity

5.

Mariam knows the distance and time a car prototype traveled. Which mathematical operation does she need to solve for speed?

- A add
- B subtract
- C multiply
- D divide

6.

Which two forces slow an airplane's motion as it rises into the air?

- A thrust and lift
- B thrust and drag
- C drag and lift
- D drag and gravity

7.

The table below shows the weights of different drone prototypes. On which object is the pull of gravity strongest?

Object	Weight (N)
Drone A	12.5
Drone B	10.2
Drone C	12.3
Drone D	7.6

- A Drone A
- B Drone B
- C Drone C
- D Drone D

8.

The table below shows direction of the forces acting on a rocket that is moving forward. Engineers need to increase the forward velocity of the rocket.

Force	Weight (N)
gravity	down
drag	backward
thrust	forward

Which change should engineers make?

- A increase drag
- B increase thrust
- C decrease thrust
- D increase gravity

9. Which force do engineers try to minimize for vehicles that travel in air and water?

- A drag
- B gravity
- C thrust
- D lift

10. **Test Prep** In which layer of the atmosphere do we experience weather?

- A thermosphere
- B mesosphere
- C stratosphere
- D troposphere

11. **Test Prep** Where is most of Earth's freshwater found?

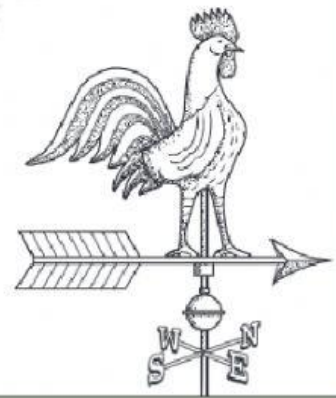
- A in lakes, rivers, and streams
- B in glaciers and ice caps
- C in the atmosphere
- D below the ground

12. **Test Prep** A storm usually forms

- A inside an air mass.
- B along a front.
- C over tall buildings.
- D over a river.

13. Look at the picture. What does this tool measure?

- A.** precipitation
- B.** wind direction
- C.** wind speed
- D.** air pressure



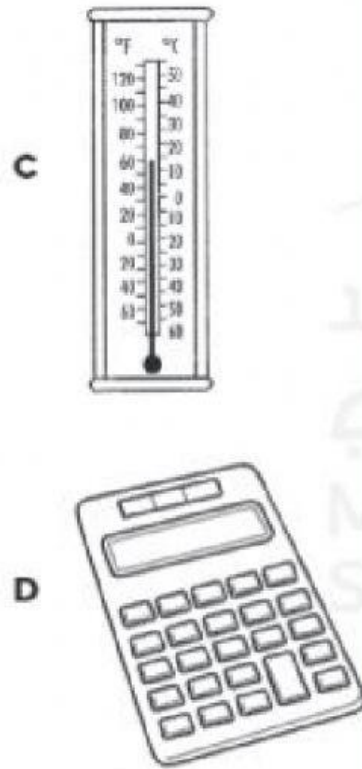
14. Which term describes a very tall, gray funnel shape?

- A** tornado
- B** hurricane
- C** cold front
- D** thunderhead

15. In which layer of the atmosphere do organisms live?

- A** thermosphere
- B** mesosphere
- C** stratosphere
- D** troposphere

16. Which tool can be used to measure air temperature?



17. **Test Prep** When does the Sun rise highest in the sky in the Northern Hemisphere?

- A March
- B June
- C September
- D December

18. **Test Prep** Which process takes Earth 24 hours to complete?

- A rotation
- B revolution
- C shadows
- D seasons

19. How much time passes between a full moon and a new moon?

- A. 1 day
- B. 1 week
- C. 2 weeks
- D. 3 weeks

20. **Test Prep** What causes many of the craters on the Moon?

- A meteoroids striking the Moon
- B earthquakes on the Moon
- C landslides on the Moon
- D flooding on the Moon

21. We see the Sun rise and set because

- A. Earth revolves around the Sun.
- B. Earth rotates on its axis.
- C. the Sun revolves around Earth.
- D. the Moon revolves around Earth.

22. What causes Earth's changing seasons?

- A Earth's rotation around the Sun
- B the Sun's rotation around Earth
- C Earth's tilted axis and revolution around the Sun
- D Earth's rotation and the Moon's revolution around Earth

23. Your shadow is short when you go outside. What time of day is it?

- A** early morning
- B** late afternoon
- C** after sunset
- D** near noon

24. Meteoroids that strike Earth's surface are called

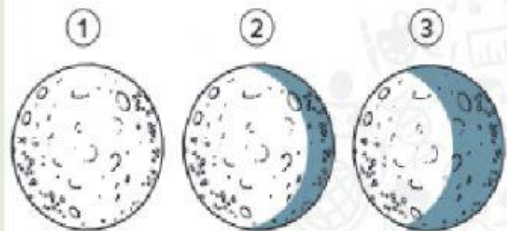
- A** comets.
- B** asteroids.
- C** meteors.
- D** meteorites.

25. How is the Moon different from Earth?

- A** The Moon has no atmosphere.
- B** The Moon has no mountains.
- C** The Moon has different kinds of rock.
- D** The Moon has different kinds of living things.

26.

Mariam observed the Moon every other night for one week. Look at what she saw.



Which phase will she see next?

