

Ans Key Mid Term - Mock Test

Total Marks: 30

- I. 1.This layer is made up of metals iron and nickel and it is in liquid state: Outer Core/1
- 2.This layer has the melted rocks called magma, which can move like a liquid Mantle
- 3.This layer is formed of rocks and it is the most coolest layer of the Earth: Crust
- 4.This layer has temperature of 6000⁰C which is as hot as the surface of the sun and it is solid in state: Inner Core
5. The thinnest layer of the Earth which is formed of rocks, about 5km thick under the oceans and about 70 km thick under the land is called: crust.

II. Fill in the words to complete these sentences. Use these words: /4

Earthquakes	Ring	ejects	tsunami	Fire	breaks	Pacific	epicentre
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6. The volcano ejects material from the crater.
7. Volcanoes form where there are breaks in the Earth's crust.
8. When an earthquake starts under the sea it causes a giant wave called a tsunami.
9. Volcanoes and Earthquakes are common around the Pacific Ocean. This area is called the Pacific Ring of Fire.
10. The worst damage at the surface is experienced immediately above the focus at a point called the epicentre.

III. Read the statements and write whether it is an **advantage or disadvantage** of living near to a volcano:

/4

11. Lava makes good soil and ash fertilizes the soil. **advantage**
12. Lava burns and buries crops and buildings. **disadvantage**
13. Underground water is heated by magma. This water comes to the surface as hot springs. These are tourist attractions. **advantage**
14. Tourists come to watch volcanoes erupting. This provides employment for many people in the volcanic regions. **advantage**

IV. Mike sees this bird.

/1



15. The bird has a beak suited to help it feed in the habitat where it lives. Tick (✓) **one** box that describes how the bird feeds.

Use the picture to help you.

Uses its beak to pick up seeds from the ground

Uses its beak to pull insects from the mud

Uses its beak to scoop up large fish into its mouth

Uses its beak to pull plants from the water



- V. On 6 February 2023, an earthquake of magnitude 7.8 struck southern and central Turkey and northern and western Syria. The **epicenter** was 32 km west–northwest of Gaziantep.



16. What causes an earthquake to happen?

/1

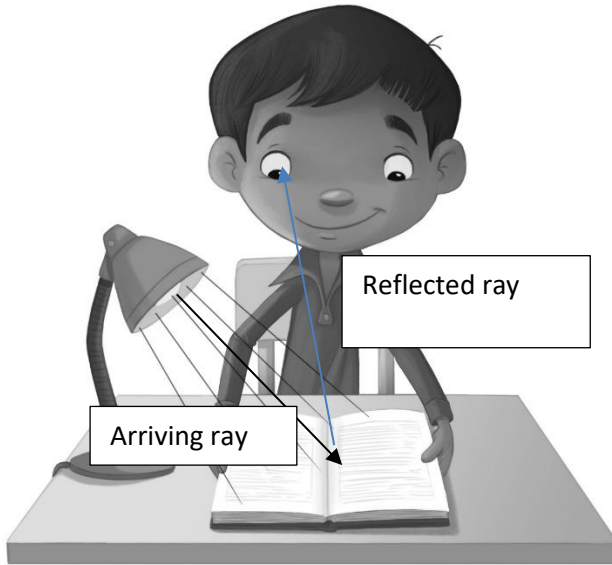
Earth quakes happen when sudden movement of the rocks happen in the Earth'Crust

17. What are the 3 safety precautions that can be taken during an Earthquake?

/1

Drop, Cover, Hold

- VI. Arun is reading his science book.



18. Identify the source of light. /1

_____ **Lamp** _____

19. Identify the object he sees. /1

_____ **Book** _____

20. Write a sentence to explain how Arun can see the object. /1

Light from the lamp falls on the book and get reflected from the surface of it. Reflected light will reach Arun's eyes and he sees the book

21. Draw a ray diagram in the above picture showing how Arun sees the object. Label arriving ray and reflected ray. /3

VII. Write down whether the statement is **true or false**. If it is false **rewrite** it into correct sentence. /4

22. Light can travel round corners.

_____ **False, Light travels in straight line**

23. Proof is the evidence that shows that something is true.

True

24. The reflection of your face in the mirror is called photograph.

False, The reflection of your face in the mirror is called the image.

25. All objects that we are able to see are sources of light.

False, Objects that we are able to see reflect the light.

VIII. Fathima is trying to classify different materials whether it is a source of light, reflecting surface or absorbing surface by testing it. Help her to fill in the table based on your learning.

/3

26.

Wood	Torch	Aluminum foil	woollen clothes	Clear water	candle light
Source of light		Reflecting surface		Absorbing surface	
Torch Candle Light		Aluminium foil Clear water		Wood Woollen clothes	

27. Identify and circle, which among the five types of scientific enquiries she has done.

/1

Research

Fair testing

Observing over time

Identifying and classifying

Pattern seeking