

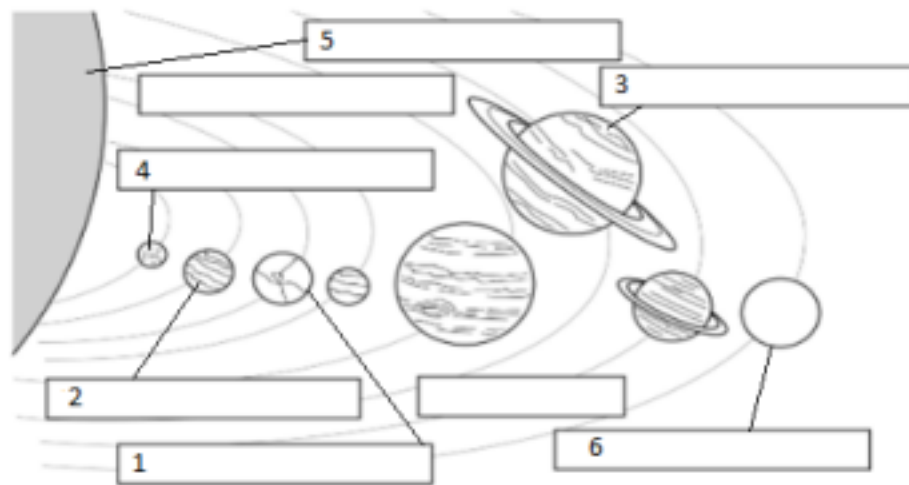


**Rosary School / Marj Elhamam**

**Worksheet (6)**

Name : Date : // 2025 Subject :Science

**Questions 1:**



A) Name the planets on the diagram and draw in the missing arrows.

B) How long body 1 takes to complete an orbit around body 5?

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\_ C) Which body, 3 or 4, takes longer to orbit body 5?

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\_ D) How long are an Earth day and Earth year?

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E) Which planets take more than an Earth year to complete their orbit around the sun? Explain why.

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F) Which planet has the shortest year? Explain why.

## **Question 2:**

Choose the correct alternative for each of the following.

- a) The bending of light is reflection/refraction.
- b) A piece of glass with a curved surface is a lens/ mirror.
- c) A periscope uses mirrors set at 90 / 45 degrees angles.
- d) The bent pencil in the glass of water is a trick of the light/ an optical illusion.

a) Name the rays 1 and 2.

1-

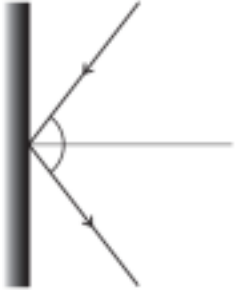
## **Question 3:**

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2-

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Ray 1 Ray 2

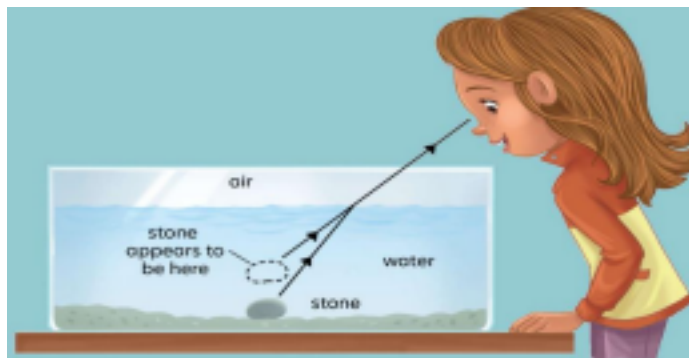


b) What word describes the angles that the rays make with the ray and the normal to the mirror?

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#### Question 4:

Sofia is looking at a stone in a container of water. The stone appears to be nearer the surface than it really is. Explain this using the information in the diagram.



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**Question 5:**

Why is the print bigger when you read it through a magnifying glass?

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