

Worksheet 6 answers

Question 1:

A) 1. Earth 2. Venus 3. Saturn 4. Mercury 5. The Sun 6. Neptune B) $365 \frac{1}{4}$ days
C) Body 3, Saturn, because it is further away from the Sun
D) An Earth's day is 24 hours
An Earth's year is $365 \frac{1}{4}$ days
E) Mars, Jupiter, Saturn, Uranus and Neptune. All these planets are further from the Sun than Earth and therefore take longer to complete their orbit around the Sun.

Question 2:

a) Refraction b) lens c) 45 d) an optical illusion

Question 3:

a) 1- Incident ray 2- Reflected ray
b) Equal / the same

Question 4:

A light ray from the stone travels through the water and then bends or refracts when it passes from water to the air

Question 5:

Light rays pass from the print through the magnifying glass (convex lens) and bends or refracts inwards and converge at a focal point, make us see the enlarged print.