

## 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.