

Grade 8
Week 1
Informal Assessment
Natural Science

Topic 10: Visible Light
Radiation of Light

Question 1

Match column A with column C and write the correct number in column B.

Column A	Column B	Column C
1. Visible Light		A) Process in which light moves away from the its origin
2. Ray Diagram		B) A word to describe an object that gives off light or glows in the dark
3. Radiation		C) Type of energy that comes from a light source and can be observed by the human eye
4. Illuminated		D) To light up or provided with light
5. Luminous		E) A diagram that uses lines with arrowheads to show the path of a ray of light

(5)

Question 2

Chose the correct answer:

2.1. If the distance from a star to the earth is 70 million kilometres, how many minutes will it take light from the sun to reach the earth?

- a) 500 seconds
- b) 2 hours
- c) 8 minutes
- d) 233.33 seconds

2.2. What does a pinholes camera illustrate?

- a) That light travels in straight lines
- b) That light travels upside down
- c) That light does not travel in a straight line
- d) That light travels very fast through empty space

2.3. Light is emitted by _____ objects.

- a) Dark
- b) Colourful
- c) Luminous
- d) Transparent

2.4. If it takes light from a star 40 minutes to reach Earth , calculate how far away from earth the star is.

- a) 10 million kilometres
- b) 720 million kilometres
- c) 72 000 000 kilometres
- d) 100 000 000 kilometres

2.5. Light travels very fast through _____.

- a) Light
- b) A vacuum
- c) Empty space
- d) Air

(5)

(10)