Light and Optical Systems
Topic 1 - What is Light? Practice Quiz

1. Radiation is the type of energy transfer which does not require ...

matter

heat

waves

light

2. Light-producing technologies, such as incandescent and florescent lights, are examples of ...

bioluminescence

natural light source

artificial light source

chemical luminescence

3. The absorption of radiant energy, on a dark surface, depends on the light's ...

form

intensity

direction

temperature

4. Ultraviolet light energy is absorbed by chemical particles giving visible light energy. This transformation describes ...

incandescence

phosphorescence

bioluminescence

florescence

5. Why is the disposal of florescent light tubes a challenge?

because they could cut someone, if they were broken

because the materials they are made of are not biodegradeable

because the materials they are made of are toxic

because they cannot be recycled

**Check your
Answers**

Light and Optical Systems
Topic 1 - What is Light? Practice Quiz

1. Radiation is the type of energy transfer which does not require ...

    matter (Text p. 176) This type of energy transfer does not require matter, because it travels in waves (through space)

    heat

    waves

    light

2. Light-producing technologies, such as incandescent and florescent lights, are examples of ...

    bioluminescence

    natural light source

    artificial light source (Text p. 179) Sources of light that are man-made are called artificial

    chemical luminescence

3. The absorption of radiant energy, on a dark surface, depends on the light's ...

    form

    intensity (Text p. 178) Explained at the top of this page. If the light intensifies, the pavement can absorb more energy - which it converts to thermal energy - OUCH!

    direction

    temperature

4. Ultraviolet light energy is absorbed by chemical particles giving visible light energy. This transformation describes ...

incandescence

phosphorescence

bioluminescence

florescence (Text p. 181) Fluorescent Sources (equation)

5. Why is the disposal of florescent light tubes a challenge?

because they could cut someone, if they were broken

because the materials they are made of are not biodegradeable

because the materials they are made of are toxic (Text p. 182) Find Out Activity

because they cannot be recycled