Suitable for Key Stage 2 lower (R4)

**Activity 4 – light Quiz**

**Are these statements true or false?**

1. The sun is a source of natural light.

***TRUE:*** *The* ***sun*** *is the most important* ***source of natural light****. The stars are also* ***natural*** *forms of* ***light****.*

2. A black object reflects more light than a white object.

***FALSE****: A* ***black*** *object is* ***black*** *because it absorbs all the* ***light****; it* ***does******not reflect*** *any colour.*

3. Transparent objects allow *some* light to filter through.

***FALSE****:* ***Transparent*** *objects allow* ***all*** *light to pass through so that objects behind can be seen distinctly.*

4. A candle is a natural source of light.

***FALSE****: Artificial* ***light*** *is* ***light*** *made by humans, for example candles and oil lamps.*

5. A material that does not let light through is called opaque.

***TRUE****:* ***Opaque*** *means not able to be seen through; not transparent.*

6. Shadows are formed when light from a source is blocked.

***TRUE****: A shadow is a dark area where light from a light source is blocked by an opaque object.*

7. Light travels through translucent objects.

***TRUE****:* ***Translucent*** *materials allow light to pass through, but detailed shapes cannot be distinguished (seen).*