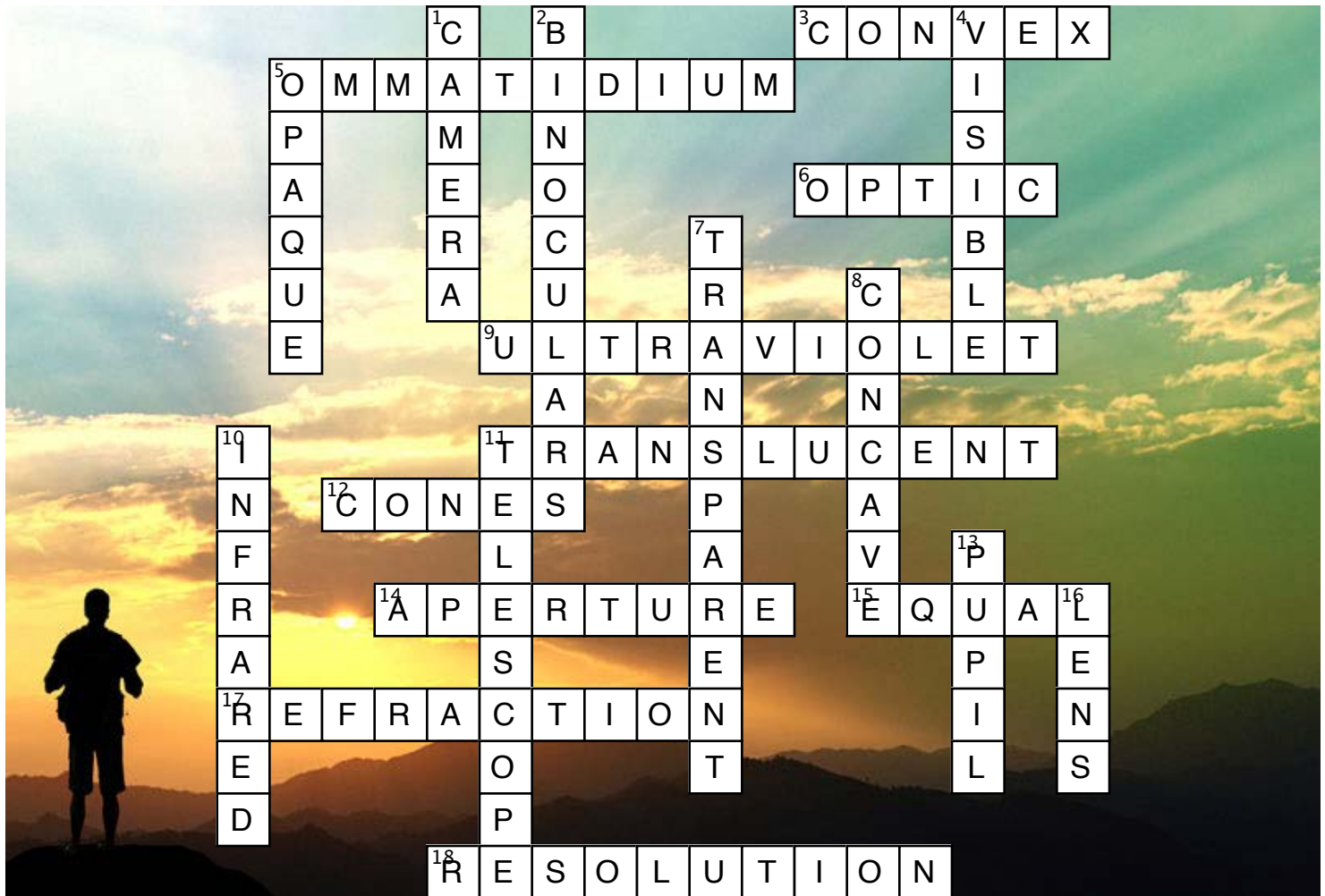


Unit C: Light and Optical Systems - Review Puzzle

Science 8
ADLC



Across

3. This type of mirror bulges outward, and allows people to see a wide field of view. [CONVEX]
5. A structure in compound eyes containing one lens that directs light to a single light-sensing cell. [OMMATIDIUM]
6. The structure that sends messages from the retina to the brain is the _____ nerve. [OPTIC]
9. A form of electromagnetic radiation that causes sunburns. [ULTRAVIOLET]
11. Light passes through an object, and the light is scattered. It is possible to see the light that has passed through, but the image is blurred and it is impossible to see clearly what is behind the object. The object is best described as _____. [TRANSLUCENT]
12. Colour-sensing cells on the eye's retina. [CONES]
14. The adjustable opening in a camera. [APERTURE]
15. The law of reflection says that light reflects off an object at an angle that is _____ to the angle that hit the object. [EQUAL]
17. This is the process of light bending as it travels through different substances. [REFRACTION]
18. A digital image with many pixels that blend together to create a smooth image is said to have high _____. [RESOLUTION]

Down

1. A type of eye with one large lens that directs light to many light-sensing cells on the retina. [CAMERA]
2. This device is made from two telescopes. [BINOCULARS]
4. The spectrum of light that we can see, ranging from red light to violet light. [VISIBLE]
5. Light does not pass through a black piece of plastic. The black plastic can be described as _____. [OPAQUE]
7. If light passes completely through an object unaffected, that object can be described as _____. [TRANSPARENT]
8. This type of mirror focuses light to create a magnified image. [CONCAVE]
10. A form of electromagnetic radiation that we feel as heat. [INFRARED]
11. This device collects light and magnifies distant objects. [TELESCOPE]
13. The adjustable opening in the eye. [PUPIL]
16. This is a curved piece of transparent material that bends light. [LENS]