

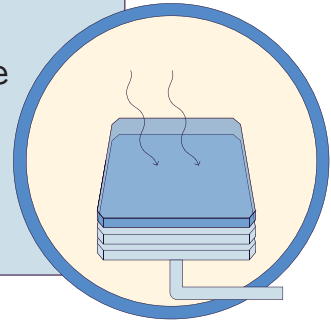
Name:

Date:

How can sunlight charge my phone?

Instructions:

Watch the clip titled 'How can sunlight charge my phone?' and answer the following questions.



1. What is another term for waves of light energy?
 - A) Magnetic radiation
 - B) Microwave radiation
 - C) Ultraviolet radiation
 - D) Electromagnetic radiation
2. How much of the sunlight reaching our planet makes it down to the surface?
 - A) All of it
 - B) About 1 percent
 - C) About half
 - D) About 20 percent
3. Solar concentrators use mirrors to focus sunlight onto salt. How does this produce electricity?
 - A) The salt reacts, releasing electrons
 - B) The salt magnetises, generating a current
 - C) The salt absorbs heat to produce steam for turning turbines in a generator
 - D) The salt captures electrons to be stored in batteries
4. What technology uses materials to produce a current when they absorb light waves?
 - A) Light cells
 - B) Batteries
 - C) Photovoltaics
 - D) Electromagnetics
5. What semiconducting material is commonly used in solar power production?
 - A) Copper
 - B) Silicon
 - C) Iron
 - D) Carbon

