

Sun Alarm Worksheet – Module 5

Names: _____

RENEWABLE ENERGY

Imagine you live in a remote village without mains electricity. Suggest some things you could use a solar PV panel for.

ELECTRICITY

Name a material which conducts electricity.

Name some materials which do not conduct electricity (insulators).

Does the LED work if you connect it either way round?

How about the buzzer?

When connecting the LED to the solar panel, which leg of the LED should be connected to the positive terminal of the solar panel?	
When connecting the buzzer to the solar panel, should the red or the black wire of the buzzer be connected to the positive terminal of the solar panel?	
How can you adjust the volume of sound from the buzzer?	
STEM	
What do the initials STEM stand for.	
EXTENSION QUESTION	
Describe the energy conversions taking place in the sun alarm.	