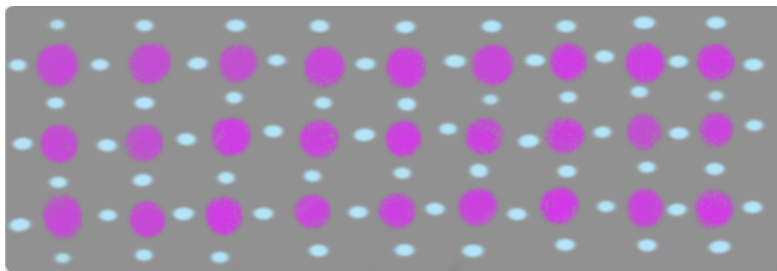


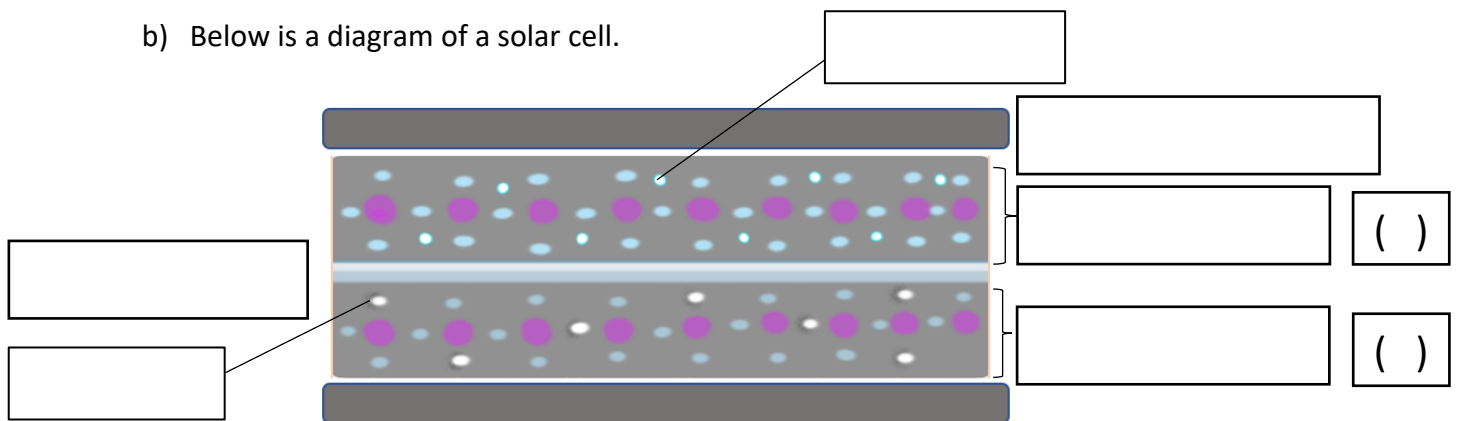
1. Fill in the blanks using the terminology in the word box given.

—	Electrons	N - type silicon layer	P-N Junction	Positive Holes
Four	Conductive Material	+	P - type silicon layer	Electrons

a) Below is a diagram of a typical silicon cell. Silicon molecules are bound to each other with ___ bonds. They are linked with negatively charged _____.

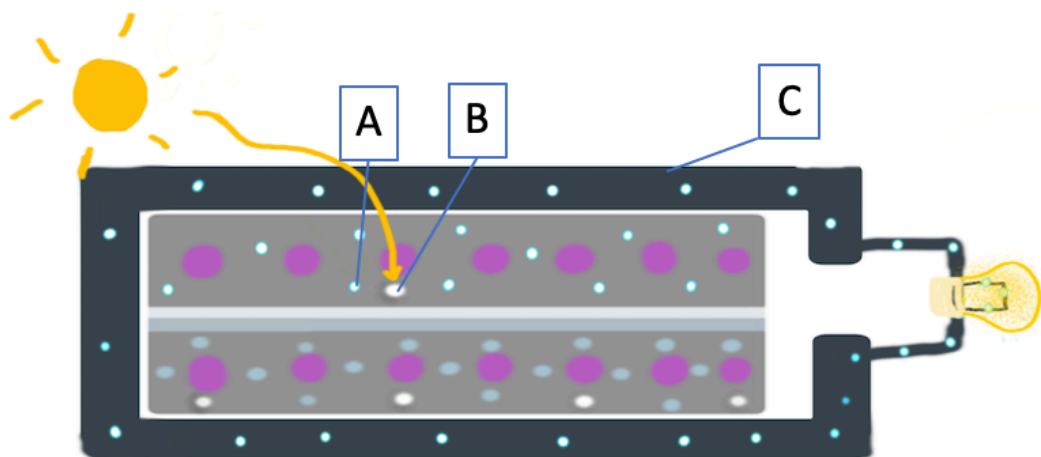


b) Below is a diagram of a solar cell.



2. Draw arrows to show the direction of:

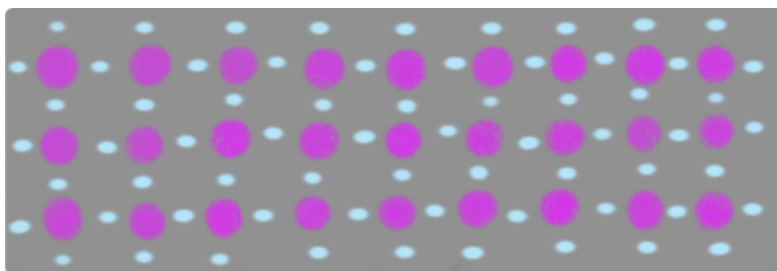
- Movement of **A and B** in the solar cell. A and B are formed with energy from photons of the sunlight.
- Movement of electrons in **C**.



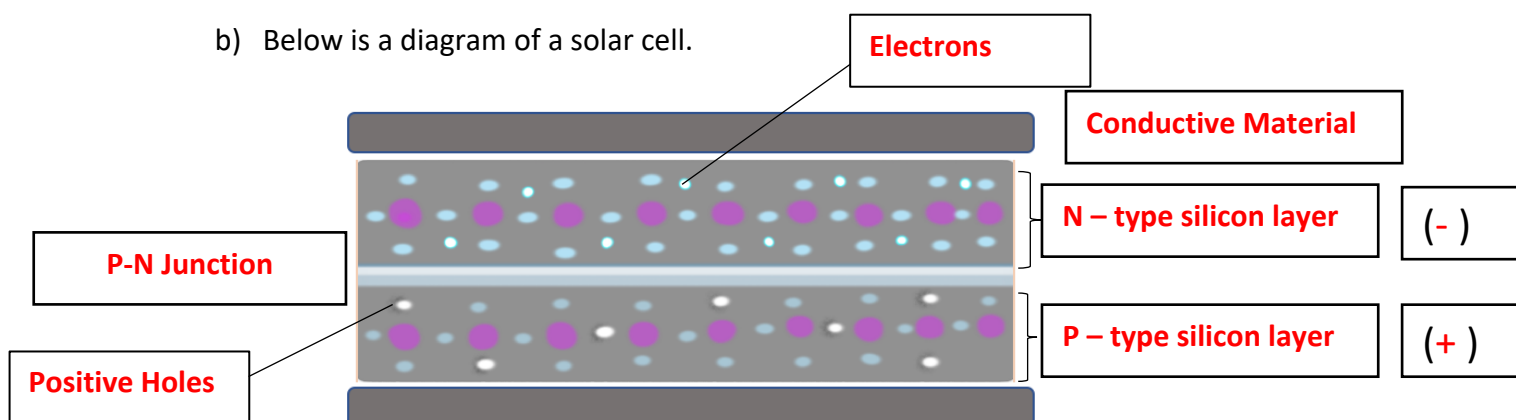
1. Fill in the blanks using the terminology in the word box given.

—	Electrons	N - type silicon layer	P-N Junction	Positive Holes
Four	Conductive Material	+	P - type silicon layer	Electrons

a) Below is a diagram of a typical silicon cell. Silicon molecules are bound to each other with **four** bonds. They are linked with negatively charged **electrons**.



b) Below is a diagram of a solar cell.



2. Draw arrows to show the direction of:

- Movement of **A** and **B** in the solar cell. A and B are formed with energy from photons of the sunlight.
- Movement of electrons in **C**.

