

Lesson 6 - Part B: Passive Cooling Systems

✳ Work out the rule: Describing facts and generalizations

1- Look the following examples:

a- Are these facts generally true?

The hot water rises and passes from the panel into the tank.

The electrons go through the cables

2- Simple Present:

Can be used to express facts and generalizations.

3- Complete the spelling rules:

a- Third person singular pronouns take “___” / “es” or “ies”

b- For verbs that end in **-O, -CH, -SH, -SS, -X, or -Z** we add “___” in the third person.

go – **goes**

catch – **catches**

pass – **passes**

c- For verbs that end in a **consonant + Y**, we remove the Y and add

“___”

marry – **marries**

study – **studies**

carry – **carries**

d- For verbs that end in a **vowel + Y**, we just add “___”

play – **plays**

enjoy – **enjoys**

say – **says**

Applying the rule

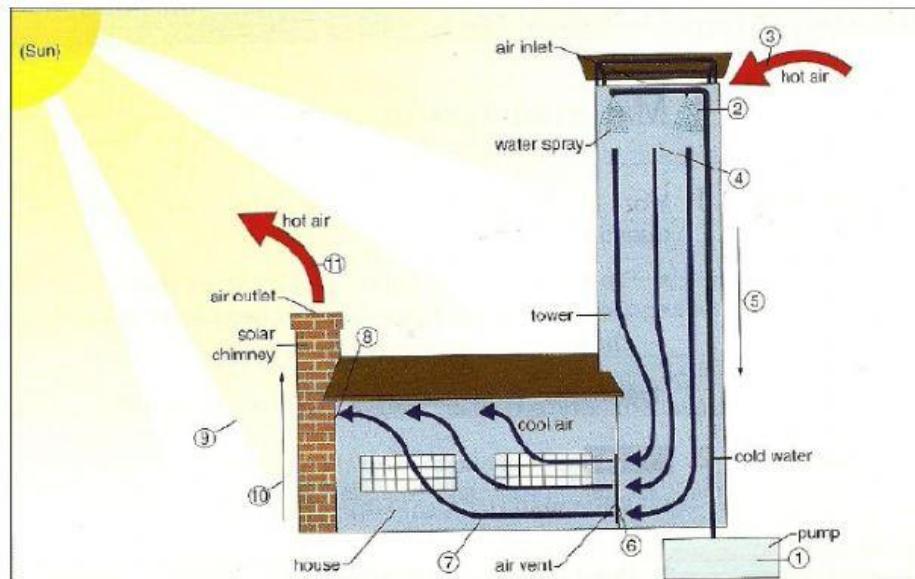
1- Complete the sentences about solar heating systems with the correct form of the verbs from the box:

sink - heat - rise - leave - flow - enter

- a- Cold water _____ the system through the inlet.
- b- Water _____ into the tank through a pipe.
- c- The sun _____ the water in the solar panel.
- d- Hot water _____ to the top of the tank.
- e- Cold water _____ to the bottom of the tank.
- f- Hot water _____ the system through the shower head.

► Your turn!

- ❖ In pairs, describe the following diagram which shows a cooling system.
- ❖ Explain how it works using a flow chart.



1- The pump pushes cold water through the pipe to the top of the tower.

2-

3-

4-

5- Cool air sinks to the bottom of the tower.

6-

7-

8-

9-

10-

11-

The sun heats the chimney and heats the air.

The shower of cold water cools the hot air.

Hot air rises to the top of the chimney.

Cool air enters the solar chimney.

Cold water goes out through the water spray.

Finally, hot air leaves the chimney through the air outlet.

Cool air flows into the house.

Hot air enters the tower through the air inlet.

Cool air enters the house through the air vents and goes around the house.

YOU CAN
DO IT!

