

## 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 risess and passess 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

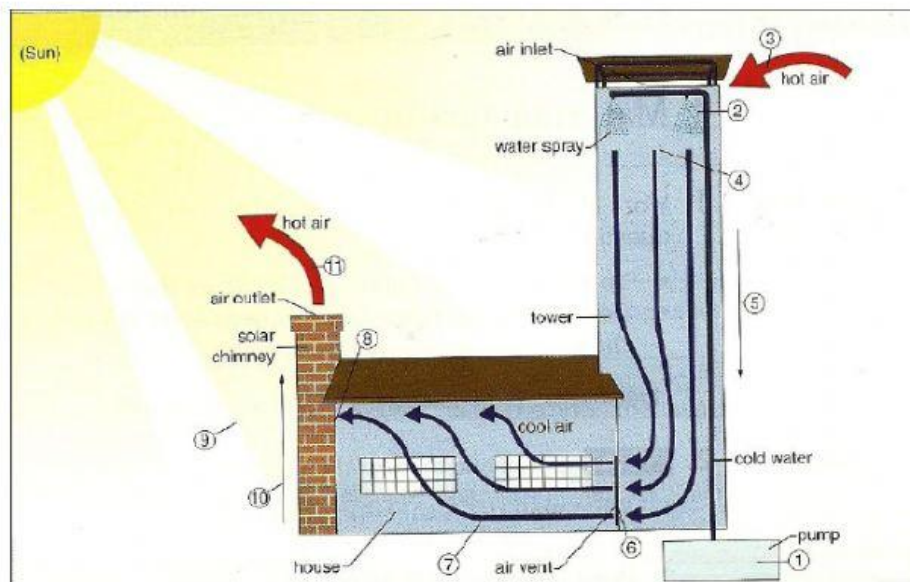
1- Complete the sentences about solar heating systems with the correct form of the verbs from the box:

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.

