

Evaporation

READ ALOUD PASSAGE

Nothing just disappears. Everything goes somewhere, and finding out where is the job. A puddle on the playground is gone by afternoon. Wet clothes on a line come in dry. Where did the water go?

Water that dries up has evaporated: its molecules left the liquid and mixed in among the molecules of the air. The molecules themselves do not change. They only separate from each other. The water is still water. It is just spread out too thin to see.

Evaporation goes faster with more surface area, more heat, and moving air. That is why a wide puddle dries faster than a bucket of water, and why a sunny, windy day is the best day to hang laundry.

In an experiment, change only one thing at a time, or the result cannot tell you which change caused it.

Activity 1: Connect the Sentences

Each pair of sentences needs a connecting word. Pick one from the box and write it in the blank. Keep the comma after it.

CONNECTING WORDS

As a result

For example

However

Also

1. The puddle was in the hot sun. _____
 , it dried up by afternoon

2. The water seemed to disappear. _____
 , it was still in the air

3. Heat speeds up evaporation. _____
 , moving air speeds it up

4. Surface area matters. _____
 , a wide puddle dries faster than a bucket

Activity 2: Swap the Word

Think of six words that could take the place of the underlined word. Then circle the one you like best.

The puddle disappeared by afternoon.

_____	_____
_____	_____
_____	_____

Activity 3: Sentence Scramble

These words are mixed up. Put them in order to make a sentence. Start with a capital letter and end with a period.

1. the / on / puddle / gone / a / by / afternoon / playground / is

2. in / clothes / wet / a / on / line / come / dry

Science Mad Lib

Fold the page on the dashed line so the story is hidden. Write a word for each blank. Then unfold the page, copy your words into the story, and read it aloud.

1 _____
A name

2 _____
A noun

3 _____
A number

4 _____
A noun

5 _____
A noun

----- FOLD HERE -----

THE STORY

_____ spilled a cup of water on the playground. By afternoon, the puddle
1
was gone! Where did it go? It evaporated. The water molecules left the puddle and
mixed into the air. Next, _____ hung a wet _____ outside on a
1 2
sunny, windy day. It dried in _____ minutes. Their pet _____
3 4
sniffed the air, trying to find the missing water. Heat, wind, and more surface area
all make evaporation faster. Next time, _____ plans to dry their socks in
1
the _____.
5