Water at Work

Find how connected parts make a system work.

2.5.D "examine the parts of a whole to define or model a system;"

NAME _____ DATE _____

1 READ AND MARK

Read it twice

YOUR JOB Underline the four parts of the watering system. Number them 1 to 4 so you can see the parts that work together.

A Garden Watering System

1. At the school garden, a watering system helps young plants get water. The system has a rain barrel, a hose, a valve, and drip tubes. Each part has a job. Together, the parts move water from the barrel to the plants.

2. Rain fills the barrel. When a gardener opens the valve, water travels through the hose and into the drip tubes. Tiny holes in the tubes let drops fall near plant roots. The plants use the water to grow.

3. A system works because its parts are connected. If the hose has a crack, some water leaks out before reaching the drip tubes. The plants may get less water. Looking at each part helps us explain how the whole watering system works.

2 ANSWER WITH EVIDENCE

Use the passage

1. What are the four parts of the watering system?

2. How does water move from the barrel to the plants?

3. How could a crack in the hose change what happens to the plants?

3 YOUR TURN

Your own words

Complete the table to model a system you know. Name three parts, tell each part's job, and tell how each part connects to the system.

MY SYSTEM	PART	JOB	CONNECTS TO

ANSWER KEY

Water at Work

GRADE 2 · TEKS 2.5.D

PART 1 · READ AND MARK

Underline the four parts of the watering system. Number them 1 to 4 so you can see the parts that work together. Accept any marking that follows this job and points at the right text.

PART 2 · ANSWERS

#	QUESTION	ANSWER
1	What are the four parts of the watering system?	**The rain barrel, hose, valve, and drip tubes.**
2	How does water move from the barrel to the plants?	**Opening the valve lets water travel from the barrel through the hose and into the drip tubes. Drops fall from the tubes near the roots.**
3	How could a crack in the hose change what happens to the plants?	**Water could leak out, so less water would reach the plants.**

PART 3 · YOUR TURN (SAMPLE ANSWER)

MY SYSTEM	PART	JOB	CONNECTS TO
Hand-washing system	Faucet	Sends water into the sink	Sink
Hand-washing system	Sink	Holds water while hands are washed	Faucet and drain
Hand-washing system	Drain	Carries used water away	Sink

Accept any real system with three parts that have sensible jobs and connections. Parts should work together to help the whole system do one job.