

Nature Changes Plans

See how physical changes shape community choices.

SS4G2 "Describe how physical systems affect human systems."

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Underline each full sentence that begins with **Physical change**, circle each full sentence that begins with **Human response**, and write the same number, 1, 2, or 3, beside each matching pair.

When Nature Changes a Town

- ① Each spring, snow in the Pine Ridge hills melts. Water flows downhill into Clear River, and the river becomes too high for its usual banks. **Physical change:** The river becomes too high for its usual banks. **Human response:** The town closes the low bridge for several days. Bus drivers use a longer road to take children to school and deliver supplies.
- ② **Physical change:** In late summer, weeks without rain leave fields dry and lower the town reservoir. **Human response:** The water department limits lawn watering. This saves water for homes, the fire station, and the school. The dry weather changes the community's rules for using water during the hottest months, when rain is scarce and streams run low.
- ③ **Physical change:** Strong winter winds blow snow across the highway and make driving unsafe. **Human response:** Road crews put up temporary gates and close the highway overnight. This keeps drivers away from deep snowdrifts. The next morning, crews plow the road so workers and trucks can travel again to nearby towns for jobs and deliveries.

2 ANSWER WITH EVIDENCE _____ Use the passage

1 In paragraph 1, what river condition causes the town to close the low bridge?

2 How does the lower reservoir change the community's rules for using water?

3 Why do road crews close the highway overnight in winter?

4 How do the bridge closure and the highway closure show physical systems affecting human systems?

3 YOUR TURN _____ Your own words

Complete both rows with new examples of a physical change affecting people. Do not use a high river, dry weather, or blowing snow.

PHYSICAL CHANGE	HUMAN RESPONSE	WHY THE RESPONSE HELPS

PART 1 • READ AND MARK

Underline each full sentence that begins with **Physical change**, circle each full sentence that begins with **Human response**, and write the same number, 1, 2, or 3, beside each matching pair. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	In paragraph 1, what river condition causes the town to close the low bridge?	The river becomes too high for its usual banks.
2	How does the lower reservoir change the community's rules for using water?	The water department limits lawn watering to save water for homes, the fire station, and the school.
3	Why do road crews close the highway overnight in winter?	Strong winds blow snow across the highway, making driving unsafe and creating deep snowdrifts.
4	How do the bridge closure and the highway closure show physical systems affecting human systems?	High river water and windblown snow cause people to change how they travel. The town and road crews close unsafe routes.

PART 3 • YOUR TURN (SAMPLE ANSWER)

PHYSICAL CHANGE	HUMAN RESPONSE	WHY THE RESPONSE HELPS
A volcano sends ash into the air.	Airport workers cancel flights.	Airplanes avoid ash that can damage engines.
An earthquake cracks roads.	City workers close damaged streets.	Drivers avoid unsafe roads.

Accept equivalent descriptions of the physical condition and the matching community response from the passage. For Your Turn, accept reasonable new physical events, human actions, and explanations that clearly show how the action helps.