Resources on the Map

Read map clues and history to connect resources, needs, and the environment.

E.3.10.3 "Use maps and historical information to identify natural resources in the state connecting (a) how resources are used for human needs and (b) how the use of those resources impacts the environment."

NAME _____ DATE _____

1 READ AND MARK

Read it twice

YOUR JOB Underline each place and its natural resource in the passage. Number each way people used a resource and circle each effect on the environment.

Arkansas Resources, Then and Now

1. Picture Arkansas from above. A written description of a resource map places Benton near the center of the state. It marks bauxite, a kind of rock, near Benton. The same description marks pine forests in southern Arkansas. Bauxite and trees are natural resources because people can use them. The map description helps you connect each resource to a place, even without a picture.

2. In the early 1900s, workers mined bauxite near Benton. Factories used the rock to make aluminum for things people needed, such as cooking pots. To reach bauxite, workers dug into the ground. Digging left open pits and loose soil. Rain could wash that soil into nearby streams, making the water muddy. The resource met a need, but taking it could change the land and water.

3. Around the same time, workers cut pine trees in southern Arkansas. Sawmills turned the trees into boards for building homes. Cutting many trees left some animals with fewer places to live. Without tree roots holding soil in place, rain could carry soil away. The map description tells where the forests were. The history tells how people used them and what could happen to the land.

2 ANSWER WITH EVIDENCE

Use the passage

1. Where does the map description place bauxite, and what did people make from it?

2. How could mining the resource near Benton affect a stream?

3. What resource does the map description place in southern Arkansas, and how did people use it?

4. How could using the resource in southern Arkansas affect animals or soil?

3 YOUR TURN

Your own words

Choose one place named in the map description. Write three sentences that name its resource and a need it meets, explain one effect of using it, and suggest a way people could reduce that effect.

ANSWER KEY

Resources on the Map

GRADE 3 · E.3.10.3

PART 1 · READ AND MARK

Underline each place and its natural resource in the passage. Number each way people used a resource and circle each effect on the environment. Accept any marking that follows this job and points at the right text.

PART 2 · ANSWERS

#	QUESTION	ANSWER
1	Where does the map description place bauxite, and what did people make from it?	**It places bauxite near Benton in central Arkansas. People used it to make aluminum for items such as cooking pots.**
2	How could mining the resource near Benton affect a stream?	**Mining could leave loose soil that rain washes into a stream, making the water muddy.**
3	What resource does the map description place in southern Arkansas, and how did people use it?	**It places pine forests there. People cut the trees into boards for building homes.**
4	How could using the resource in southern Arkansas affect animals or soil?	**Cutting many pine trees could leave animals with fewer places to live or let rain carry soil away.**

PART 3 · YOUR TURN (SAMPLE ANSWER)

Near Benton, bauxite helps people make aluminum cooking pots. Digging for bauxite can leave loose soil that rain washes into streams. Workers could plant grass near the mine to help keep the soil in place.

Accept either Benton or southern Arkansas in Part 3. The response should connect the correct resource to a human need, an environmental effect, and a reasonable way to reduce that effect.