Resource Routes

How do resources shape life across the Eastern Hemisphere?

7.C.2 "Analyze the physical systems of the major regions of the Eastern Hemisphere. Identify on a physical map the major landforms and bodies of water of each region and compare climatic conditions, vegetation..."

NAME _____ DATE _____

RENEWABLE RESOURCE

People can replace this resource on a human time scale if they manage it well. Plants can grow again, and animal populations can recover.

Sri Lanka: tea leaves from hillside gardens

NONRENEWABLE RESOURCE

People cannot replace this resource on a human time scale. Fossil fuels and minerals take millions of years to form.

Zambia: copper ore in the earth

1 SORT

8 items

For each numbered resource, circle RENEWS or FINITE to show whether people can replace it on a human time scale.

1. Saudi Arabia: crude oil pumped from underground — RENEWS / FINITE
2. Vietnam: rice harvested from fields — RENEWS / FINITE
3. Norway: fish caught from managed stocks — RENEWS / FINITE
4. Mongolia: coal taken from a mine — RENEWS / FINITE
5. Indonesia: palm oil made from replanted trees — RENEWS / FINITE
6. Botswana: diamonds dug from rock — RENEWS / FINITE
7. Kazakhstan: uranium taken from rock — RENEWS / FINITE
8. Kenya: coffee beans picked from replanted bushes — RENEWS / FINITE

2 PROVE IT

Explain your thinking

Pick two items from Part 1. For each one, tell how you knew where it belonged.

ITEM # _____ **HOW I KNEW** _____

ITEM # _____ **HOW I KNEW** _____

3 MAKE YOUR OWN

One of each

Part 2 PROVE IT: Pick two numbered items, one from each category, and explain how you knew where each belonged. Part 3 MAKE YOUR OWN: Write one new example of each category, naming an Eastern Hemisphere country and its resource.

RENEWS _____

FINITE _____

CHALLENGE

Choose one FINITE resource from Part 1. In two sentences, explain how its scarcity could affect a country's economy and lead it to cooperate with another country.

Resource Routes

PART 1 · SORT

#	ITEM	CATEGORY	WHY
1	Saudi Arabia: crude oil pumped from underground	**FINITE**	Crude oil forms over millions of years.
2	Vietnam: rice harvested from fields	**RENEWS**	Farmers can plant and grow another rice crop.
3	Norway: fish caught from managed stocks	**RENEWS**	Fish populations can recover when catches are managed.
4	Mongolia: coal taken from a mine	**FINITE**	Coal forms over millions of years.
5	Indonesia: palm oil made from replanted trees	**RENEWS**	New palm trees can grow and produce more fruit.
6	Botswana: diamonds dug from rock	**FINITE**	Diamond deposits cannot be replaced on a human time scale.
7	Kazakhstan: uranium taken from rock	**FINITE**	Uranium deposits cannot be replaced on a human time scale.
8	Kenya: coffee beans picked from replanted bushes	**RENEWS**	New coffee bushes can grow and produce beans.

PART 2 · PROVE IT

Accept any explanation that names the deciding feature from the rule box for the chosen item.

PART 3 · MAKE YOUR OWN (SAMPLE ANSWERS)

- **RENEWS**: Wheat grown in Ukraine
- **FINITE**: Iron ore mined in India

Challenge: If coal became scarce in Mongolia, mining jobs and export earnings could fall. Mongolia could make a trade agreement with another country to buy fuel.

For Part 2, look for an explanation of how one resource can be replaced on a human time scale and why the other cannot. Accept other accurate country and resource pairs for Part 3.