

Name \_\_\_\_\_

Date: \_\_\_\_\_

## RECYCLING IN ALASKA PRE-TEST

**Directions:** These are questions you may not know. Try your best! You will review your answers to the pre-test at the end of the lesson to see if your answers are correct. You will need a calculator for the math questions.

- Which country has become the largest consumer of paper and paper products per person in the world?
  - Spain
  - Mexico
  - China
  - United States
- Why are forests important to Alaska?
  - Trees provide habitat for wildlife
  - Trees slow down climate change by storing carbon dioxide
  - Trees sustain our logging industry, bringing money into the state
  - All of the above
- Sand is used to make which of these items?
  - Plastic
  - Glass
  - Paper
  - Gold
- Can you recycle glass in your community?
  - Yes
  - No
- Metal:
  - is strong and useful for making tools
  - is a natural resource found in Alaska
  - can be recycled multiple times because it does not lose its important properties in the process
  - all of the above
- Metals such as aluminum and steel can be recycled over and over again because they do not lose any strength or quality in the recycling process. Below is a list of the six simple steps to recycling metal. Draw a line to match the steps with the recycling process:

First step	The metal is made into a new product
Second step	The consumer places used metal in recycling bin
Third step	The melted metal is hardened into a block called an ingot
Fourth Step	The ingot is rolled into a thin sheet
Fifth Step	A recycling company melts the metal with similar metals
Sixth Step	The consumer buys a metal product
- Plastic is:
  - made from sand
  - found naturally in Alaska's forests
  - made from by-products of oil
  - made from gold
- How many millions of tons of plastic are thrown away each year?
  - 12 million tons
  - 30 million tons
  - 6 million tons
  - 122 million tons
- What percentage of plastic waste is recovered for recycling?
  - 2%
  - 36%
  - 9%
  - 40%
- What types of plastic can you recycle in your community?

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# HOMEWORK: Sorting Trash

## DIRECTIONS

Go through your trash. With an adult supervising, list what is recyclable in your community and what is definitely trash. Draw a picture of at least four of your items in each category. If there are items you are unsure about, put them below.

<b>Recycle</b>	<b>Garbage</b>
	
<b>Undecided</b>	

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## RECYCLING IN ALASKA WORKSHEET

1: Alaska provides many natural resources. We will be talking about four in particular - oil, sand, wood, and minerals. List some common every-day products that are made from:

Oil:

Sand:

Wood:

Minerals:

2: Do you know the meaning of the term metal?

3: Can you list some of the metals that might be found in here in Alaska?

4: Brainstorm reasons for recycling metals.

5: In the US, metal recycling programs mainly target aluminum and steel. Why not other metals, like gold, silver, brass, and copper?

6: How many electronic devices can you count in your classroom?

7: What (if any) electronic recycling opportunities exist in your community?

8: Computers are everywhere. Do you think this reduces paper waste?

- 9: Hundreds of everyday items have their roots in Alaska's forests. Can you name two common items?
- 1)
  - 2)
- 10: Why are the forests important to Alaska?
- 11: To log or mine we first have to build roads out of \_\_\_\_\_ and \_\_\_\_\_
- 12: What important everyday item started out as sand?
- 13: What (if any) glass recycling opportunities exist in your community?
- 14: Brainstorm everyday items that started life as oil.
- 15: Brainstorm ways to reduce or reuse plastic bags and other one-time use plastics.
- 16: What (if any) plastic recycling opportunities exist in your community?
- 17: Name an organization that is dedicated to eliminating litter and increasing economically viable recycling in Alaska.
- 18: Did anything about our discussion today surprise you?