



Energy Pictionary

Each team works together to correctly identify several energy words.

Materials Needed

- Pictionary Cards (page 20)
- White Board, Chalkboard, or Paper
- Dry Erase Markers, Chalk, or Pencils

Get Ready

1. Copy onto card stock enough **Pictionary** cards for the number of energy words you would like to use in the game.
2. Create a word list (HINT: look through NEED's **Primary Energy Infosheets** or other materials you have used with your students to identify words).

Sun	Water
Garbage	Wind
Power Line	Coal
Light Bulb	Oil
Pollution	Gasoline

3. Write the words on the back of the **Pictionary** cards and cut them out.

Go!

Give these instructions to the carnival team:

1. You have five minutes to correctly identify as many energy words as possible.
2. Each member of the team will have the opportunity to draw. While you are drawing, you may not talk, use gestures, or write words.
3. When your team correctly identifies a word, I'll place it to the side. You will receive one energy buck for each word you correctly identify.





**ENERGY
PICTIONARY**



**ENERGY
PICTIONARY**



**ENERGY
PICTIONARY**



**ENERGY
PICTIONARY**



Energy Knockdown

Each team works together to knock down cans and answer energy related questions.

Materials Needed

- Ten Aluminum Cans
- Question and Answer Sheet (page 24)
- Energy Source Graphic Sheets (pages 25-29)
- Small Beanbag or Ball
- Tape

Get Ready

Make copies of the graphic sheets, cut them apart, and wrap each of the ten cans with a graphic. HINT: use one color of paper for the renewable sources and a different color for the nonrenewable sources.

Get Set

Place the cans on a table (alternate renewable and nonrenewable cans). Leave some space between the cans, but place them close enough together so that it is a challenge to knock down only one can. Depending on the age and ability level of the students, mark a throwing line on the floor with a piece of tape.

Go!

Give these instructions to the carnival team:

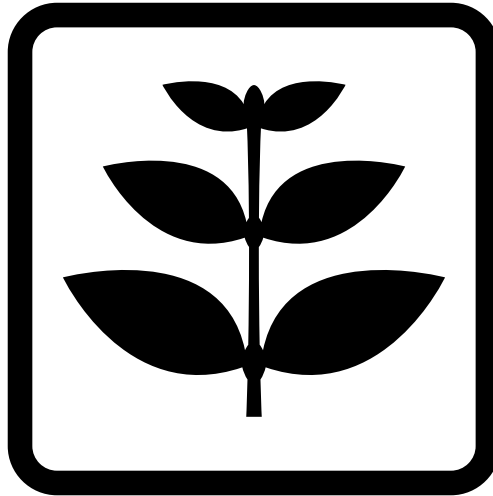
1. You have five minutes to knock down cans and answer energy questions. Please select a member of your team for the first toss. The goal is to knock down only one can. We will take turns so that everyone gets a chance to toss.
2. Once a member of your team tosses the ball and knocks down only one can, your team will get an energy question. If more than one can is knocked over, please help set up the cans so you can try again.
3. You will receive one energy buck for each correct answer.





Energy Knockdown Questions

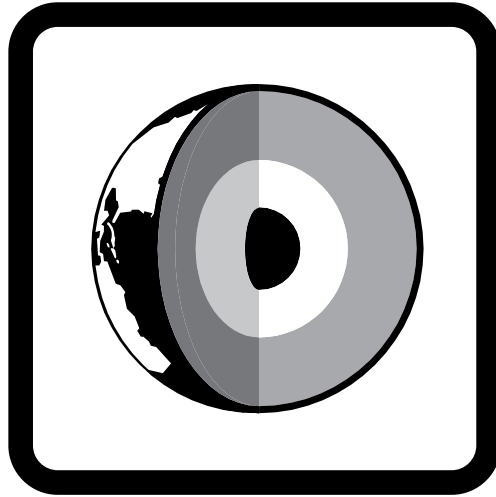
1. Name two fossil fuels (formed from the remains of dead plants and animals).
 - *coal*
 - *petroleum*
 - *natural gas*
 - *propane*
2. Name two things energy does for us.
 - *gives us light*
 - *gives us heat*
 - *makes things move*
 - *makes things grow*
 - *runs machines*
 - *enables us to do work*
 - *other reasonable answers that mean the same thing*
3. Gasoline comes from which energy source?
 - *petroleum*
 - *oil*
4. Which energy source looks like a black rock and is used to make electricity?
 - *coal*
5. Name two renewable sources of energy.
 - *solar*
 - *wind*
 - *hydropower*
 - *geothermal*
 - *biomass*
6. When you dry your clothes outside, which source of energy are you using?
 - *solar and/or wind*
7. How do most people use natural gas at home?
 - *heating*
 - *cooking*
 - *heating water*
8. Name two ways to save energy at home.
 - *turn off lights*
 - *save hot water*
 - *turn off TV, video games*
 - *other reasonable answers*



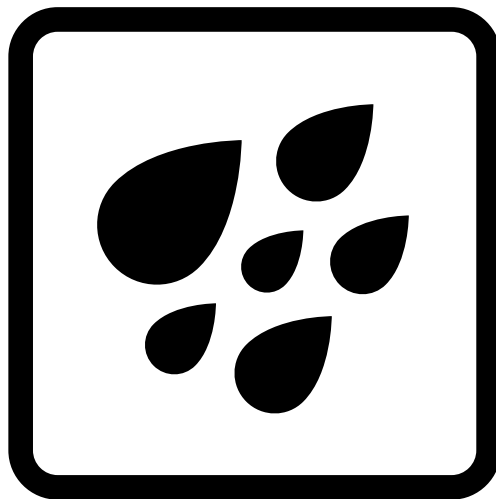
BIOMASS
ENERGY *Knockdown*



COAL
ENERGY *Knockdown*



GEO THERMAL
ENERGY *Knockdown*



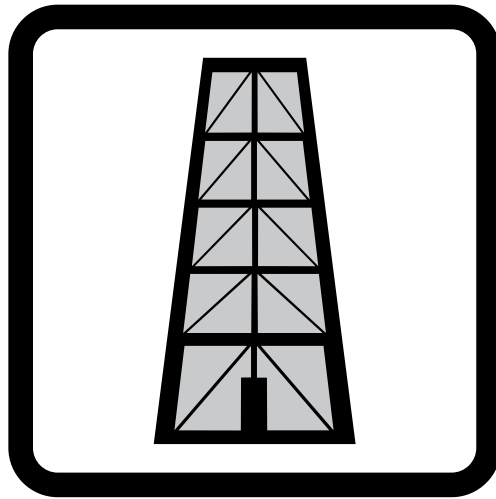
HYDROPOWER
ENERGY *Knockdown*



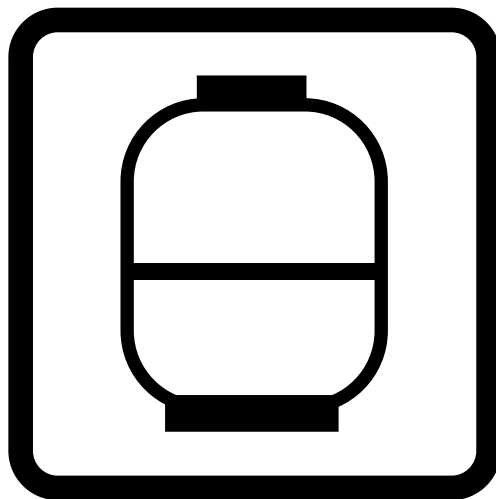
NATURAL GAS
ENERGY *Knockdown*



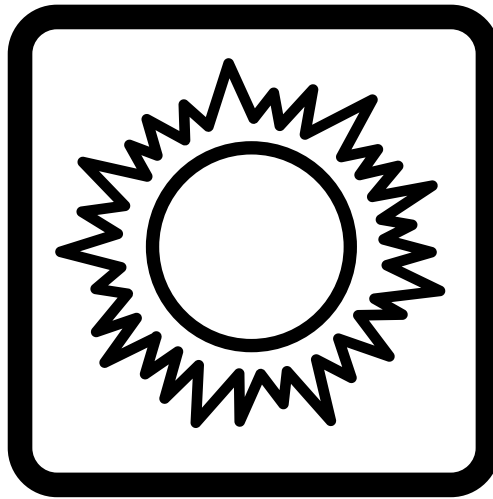
URANIUM
ENERGY *Knockdown*



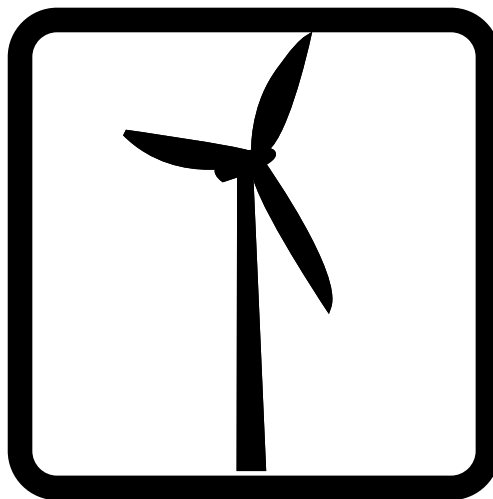
PETROLEUM
ENERGY *Knockdown*



PROPANE
ENERGY *Knockdown*



SOLAR
ENERGY *Knockdown*



WIND
ENERGY *Knockdown*
