

Energy Roundup

A QUICK LOOK AT ENERGY ROUNDUP

Energy Roundup is a good activity to introduce an energy unit or to reinforce students' knowledge of the nation's leading sources of energy. **Energy Roundup** divides a large group into ten or fewer small groups.

GRADES: GRADES 4–12

PREPARATION: MODERATE

TIME: 10 - 50 MINUTES

GET READY

- On sheets of white paper, write down six energy facts for each energy source, found on the **Energy Chants** sheet located on page 13. Do NOT write the names of the energy sources on these white sheets of paper.
- Number ten pieces of heavy paper one through ten in large letters.
- Prepare five black poster boards for the nonrenewable energy sources and five yellow poster boards for the renewable energy sources, as follows. Mount one fact sheet to the lower half of each poster board, making sure the fact sheets correspond to the colors of the poster boards. Mount the top edge of the number sheets near the top of the posters. Do not secure the bottom edge of the number sheets to the posters; the number sheets will be used as flaps.
- Write the names of the energy sources on the posters, underneath the number sheet flaps. Lightly secure the bottom edge of the number sheets with tape to the posters.
- Mount the posters around the walls of the room. Space the posters as equally apart as possible and set up chairs for each station. Place a piece of paper and a pencil by each poster station. The players will use these toward the end of the game.

GET SET

- Assign players to groups using the Energy Chant graphics on page 14—let the players draw these out of a hat or pass them out randomly.
- You will need to have one slip for each person and an equal number of slips for each energy source. (You can assign players to fewer than ten groups by eliminating one or more energy sources from the hat. Even if you have fewer groups, keep all ten posters on the walls.) Instruct the players NOT to tell anyone which group they've picked.

GO

Part I. Give the players these instructions for playing the game:

- You have all been assigned to an energy source group. In a minute, you'll be getting into these groups. You must follow these instructions.
- You cannot speak or communicate with anyone during the first phase of the game.

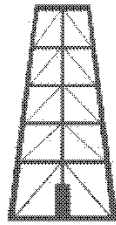
GO, CONTINUED • ENERGY ROUNDUP

- Decide if your energy source is a renewable or nonrenewable source of energy. The ten posters on the walls around the room have been color-coded to help you find your energy source. The yellow posters represent renewable energy sources; the black posters represent nonrenewable sources. If you don't know if your energy source is renewable or nonrenewable, then it may take you a little longer to find your group.
- When I say go, walk to the closest poster and read the six clues that describe the energy source. If you think these clues describe your energy source, simply sit down in one of the chairs (or bring over a chair). If the clues don't describe your energy source, move on to another poster. Repeat the process until you think you've found your energy source.
- You'll now have three minutes to find your energy source. Remember, no talking or communicating is allowed. Does anybody have any questions? Ready? Go! **(The first round lasts three minutes.)**
- Your three minutes are up and everyone must be seated. Remember, remain silent. Now, will the person closest to each poster lift the flap of the poster so that the people in your group can see which energy source the clues describe. **(Players lift flaps to reveal energy sources.)**
- Please close the flap. If you're in the correct group, remain seated. If you're not, stand up and look for your energy source again. This time you have only one minute. Go! **(Round two lasts one minute. You can continue rounds until everyone has found his or her energy source. Subsequent rounds last 30 seconds to one minute each.)**

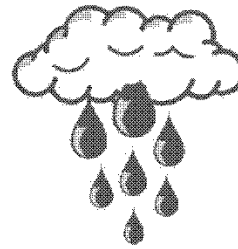
Part II. After all the rounds are finished, give the groups these instructions:

- You will be allowed to talk during this part of the game. The members of your group must now decide which three of the six clues reveal the least about your energy source. Keep the least revealing clues and eliminate the three clues that reveal the most. I'll give you two minutes to do this, and then I'll ask three people in your group to stand up one at a time and read a clue. After the third clue has been read, everyone in your group will say in unison, "Who are we?"
- Now, one person in your group should take the pencil and paper at your station and write the numbers one through ten down the side of the paper. After a group says "Who are we?" the other groups will have 15 seconds to write down the name of the energy source. Since every source has a number, just write the group's name by the corresponding number on your piece of paper.
- The group that correctly identifies the most energy groups wins.

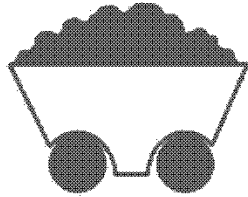
Use graphics on page 14 for this activity.



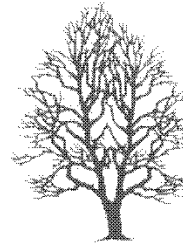
PETROLEUM



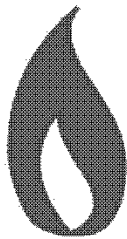
HYDROPOWER



COAL



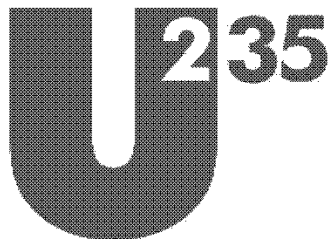
BIOMASS



NATURAL GAS



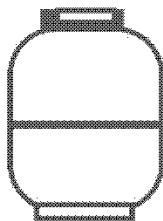
GEO THERMAL



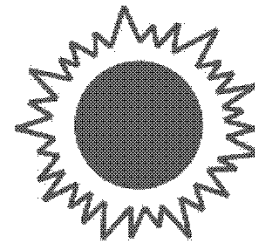
URANIUM



WIND



PROPANE



SOLAR