

Energy Efficiency Top 5 Answer Key

Who knows the game Family Feud? This is kind of like that game. On this board I have the top five areas around the home where you can save energy. Your team's goal is to work together and come up with one of the answers.

Select a group to go first. Have the group guess one of the top energy users in the home. Let all groups guess at least once. As they guess, flip the energy user cards over on the board and read the description of each one written below.

Energy Efficiency #1: Heating and Cooling

The most energy is used for heating and cooling our homes. You can save energy and money by properly maintaining your heating/cooling equipment, having adequate insulation in your attic and walls, and sealing drafts around doors and windows.

Energy Efficiency #2: Appliances

We all have dozens of appliances around our homes. Always remember to turn off TVs and game systems when you leave the room. Only run the dishwasher and clothes washer when they are full. Refrigerators, washers, dryers, and dishwashers that are rated with an Energy Star logo are the most energy efficient appliances.

Energy Efficiency #3: Water Heating

Reducing hot water use is the easiest way to save energy and money. Take 5-minute showers instead of a bath and make sure that your water heater is well insulated. Set your water heater at no hotter than 120 degrees Fahrenheit.

Energy Efficiency #4: Lighting

Energy efficient lighting such as CFLs and LEDs can make a big difference to your energy bill and the environment. By using less electricity, you can use fewer natural resources, cut air emissions, and help make the environment a little cleaner for everyone.

Energy Efficiency #5: Recycling

It takes less energy to recycle a product than produce a new one.
Recycling also saves space in our landfills.

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I have 10 energy saving clues here. Two go with each of the 5 categories in our Top 5. I will give each group two clues. Your group must decide which of the 5 categories your clues correspond to.

After each group has had time to discuss their clues have students holding the cards come up to the front and take turns reading the clues aloud for everyone to hear. Allow them to place them on the board in the correct spot.

Answers:

#1 Heating and Cooling

- Install and use a programmable thermostat
- Control shades and blinds for the time of day and season

#2 Appliances

- Look for the Energy Star label when purchasing these
- Use these only for full loads

#3 Water Heating

- A setting of 120⁰ Fahrenheit is recommended
- Wrap an insulation blanket around the storage tank

#4 Lighting

- Illuminate task areas rather than entire rooms
- CFLs and LEDs can reduce energy use by 50-75%

#5 Recycling

- Pay attention to how products are packaged
- Use a reusable water bottle instead of throw-away

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APPLIANCES

**HEATING &
COOLING**

Energy Efficiency #2

Energy Efficiency #1

LIGHTING

WATER

HEATING

Energy Efficiency #4

Energy Efficiency #3

RECYCLING

TOP 5

HOME ENERGY EFFICIENCY CATEGORIES

Energy Efficiency #5