

Grade Level: 5-8

Objective: The student will create a definition for energy conservation and energy efficiency based on discussion with classmates and input from teacher.

TEKS:

Science: 5.3(A,B,C), 6.3(A,B,C), 7.3(A,B,C), 8.3(A,B,C)

Social Studies: 5.25(A,B,C,D,F), 5.26(A,C,D), 6.21(A,B,C,D,F), 6.22(A,C,D), 7.21(A,B,C,D,H), 7.22(A,B,D), 8.30(A,B,C,D,H), 8.31(A,B,D)

ELA: 5.1(A,B,C), 5.4(A), 5.5(B,F), 5.13(A,G,H), 6.1(A,B,C), 6.4(A), 6.5(B,F), 6.13(A,G,H), 7.1(A,B,C), 7.4(A), 7.5(B,F), 7.13(A,G,H), 8.1(A,B,C), 8.4(A), 8.5(B,F), 8.13(A,G,H)

Time: one class period

Materials: one worksheet per student

Vocabulary: energy conservation, energy efficiency

Energy Conservation vs. Energy Efficiency:

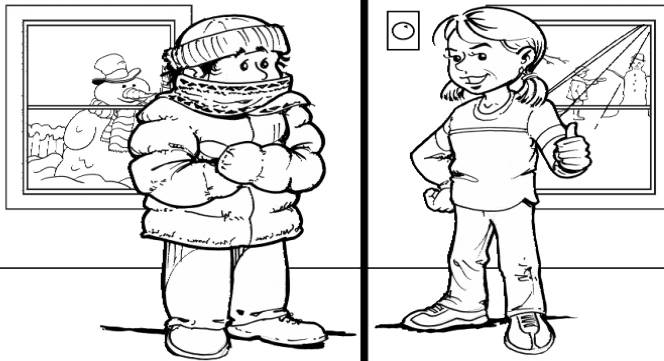
What's the Difference?

Background Information:

Energy shortages and gas lines of the 1970's, wearing sweaters as a kid instead of turning up the heat, and sleeping on the porch where it was cooler are all graphic examples of what most Americans think of when they hear the word energy conservation. Conservation is linked to sacrifice in many minds. The definition we give students in the Knowledge is Power glossary is; to keep from being lost, damaged or wasted; saved. Today's generation did not have to wait in line for gasoline. And most put on a sweater in the winter because mom said so not because

the president asked us to turn down the heat to conserve the nations fuel. Reducing energy usage does not mean going without. Some people think of energy conservation as having to be uncomfortable or suffer to save energy. The truth is: comfort and conservation are completely compatible! Energy conservation usually means being more careful in the way we use energy or improving our habits. Like the definition says; keep from being wasted.

Energy efficiency invokes feelings of control and advancement. Energy



Knowledge is Power