ARE YOU ENERGIZED?

Appliances	Energy Facts	Lighting	Homes & Buildings	Renewable Energy	Water Conservation
$10	$10	$10	$10	$10	$10
$20	$20	$20	$20	$20	$20
$30	$30	$30	$30	$30	$30
$40	$40	$40	$40	$40	$40
$50	$50	$50	$50	$50	$50

To save energy, when you run your dishwasher, only wash:

A. Clean dishes

B. Full loads

C. Like-colored items

B—Congratulations!
You got that one right.
Give yourself $10.

<u>Choose the next question.</u>

A or C—Sorry!

You missed that one. The correct answer is B.

<u>Your opponent now gets to choose.</u>

This label, found on many computers, office equipment, and appliances, is a sign showing this product uses less energy than other products, saves you money on energy bills, and helps protect the environment.

A. Made in the USA

B. Energy Star

C. U.L. approved

D. Made in Japan

B—Congratulations!
You got that one right.
Give yourself $20.

<u>Choose the next question.</u>

A, C or D—Sorry!

You missed that one. The correct answer is B.

<u>Your opponent now gets to choose.</u>

When operating a clothes dryer, keep this item clean and the clothes dryer will use less energy. What is it?

A. The lint screen

B. Your clothes

C. The clothesline

A—Congratulations!
You got that one right.
Give yourself $30.

<u>Choose the next question.</u>

B or C—Sorry!

You missed that one. The correct answer is A.

<u>Your opponent now gets to choose.</u>

Think bigger is better? Not with this unit. This unit should be sized properly to cool and dehumidify the intended space. A small unit running for an extended period of time operates more efficiently and is more effective at dehumidifying than a large unit that cycles on and off too frequently. What is it?

A. Water heater

B. Air conditioner

C. Ceiling fan

B—Congratulations!
You got that one right.
Give yourself $40.

<u>Choose the next question.</u>

A or C—Sorry!

You missed that one. The correct answer is B.

<u>Your opponent now gets to choose.</u>

What is leaking electricity?

A. Hydroelectricity, power produced from running or falling water

B. A battery that has burst.

C. The energy used while an appliance is switched off or not performing its primary purpose. Example: a television that is turned off still consumes electricity to enable the instant-on feature.

C—Congratulations!
You got that one right.
Give yourself $50.

<u>Choose the next question.</u>

A or B—Sorry!

You missed that one. The correct answer is C.

<u>Your opponent now gets to choose.</u>

ENERGY FACTS

Typically two-thirds of the energy in electricity is lost before it gets to your house or office. What happens to it?

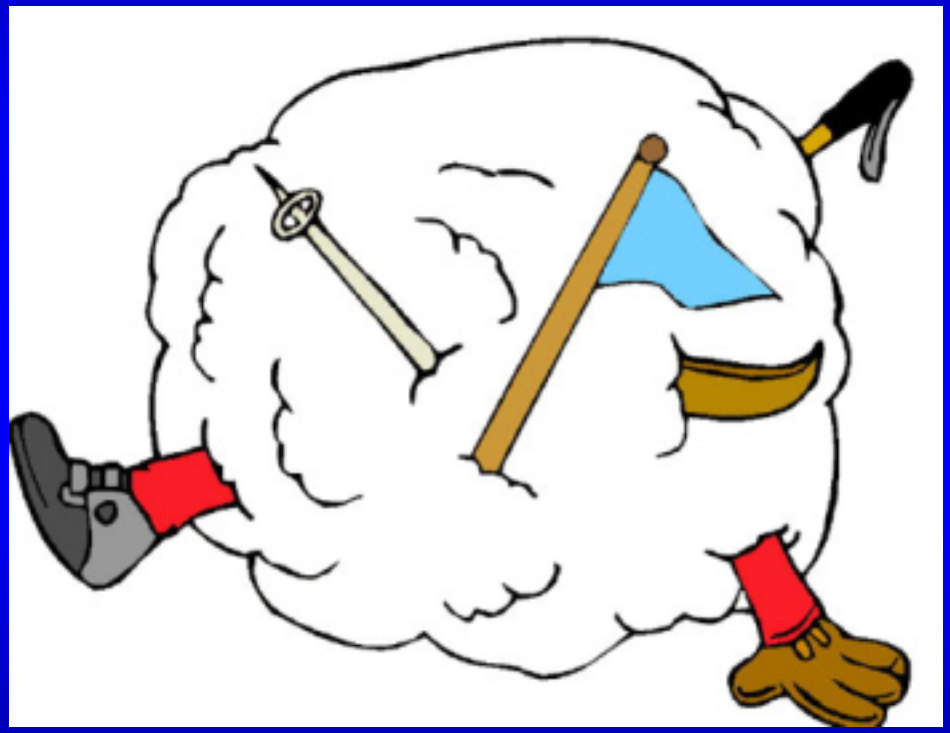
A. We don't know yet. The FBI and Scotland Yard are hard at work trying to find out.

B. Inefficiencies during conversion and transmission account for the loss.

C. The lost electricity is in the Lost and Found Office.

B—Congratulations!
You got that one right.
Give yourself $10.

<u>Choose the next question.</u>



A or C—Sorry!

You missed that one. The correct answer is B.

<u>Your opponent now gets to choose.</u>

Which country has 4 percent of the world's population, but produces more than 20 percent of the world's greenhouse gases?

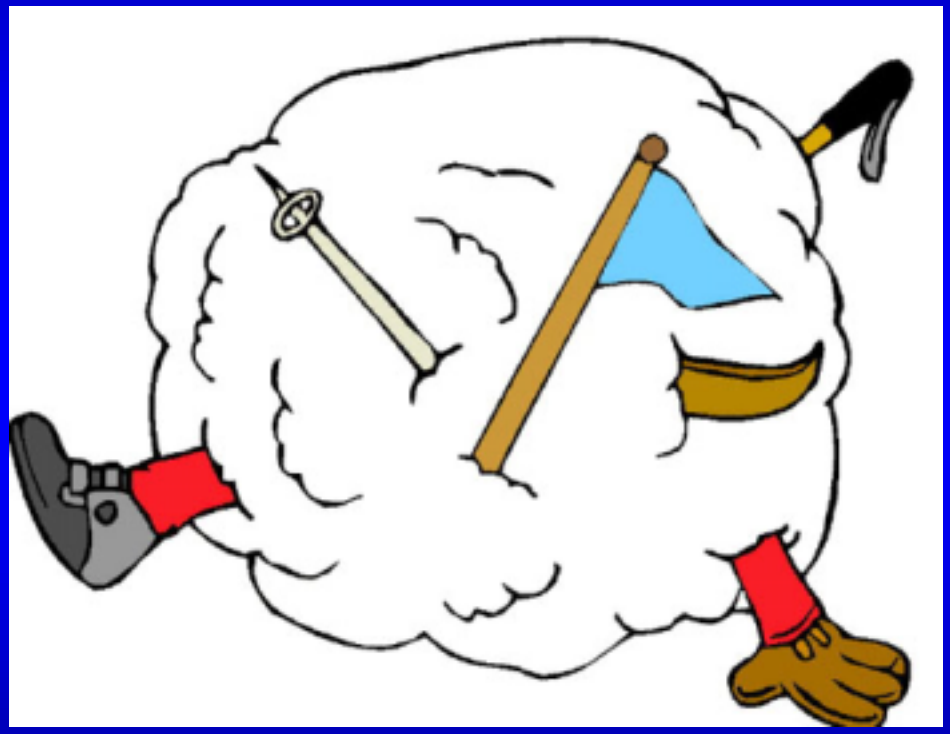
A. Switzerland

B. United States

C. Zimbabwe

B—Congratulations!
You got that one right.
Give yourself $20.

<u>Choose the next question.</u>



A or C—Sorry!

You missed that one. The correct answer is B.

<u>Your opponent now gets to choose.</u>

What is the major source of pollution, accounting for nearly 80 percent of air pollution, more than 88 percent of heat-trapping greenhouse gas emissions, and more environmental damage than any other human activity?

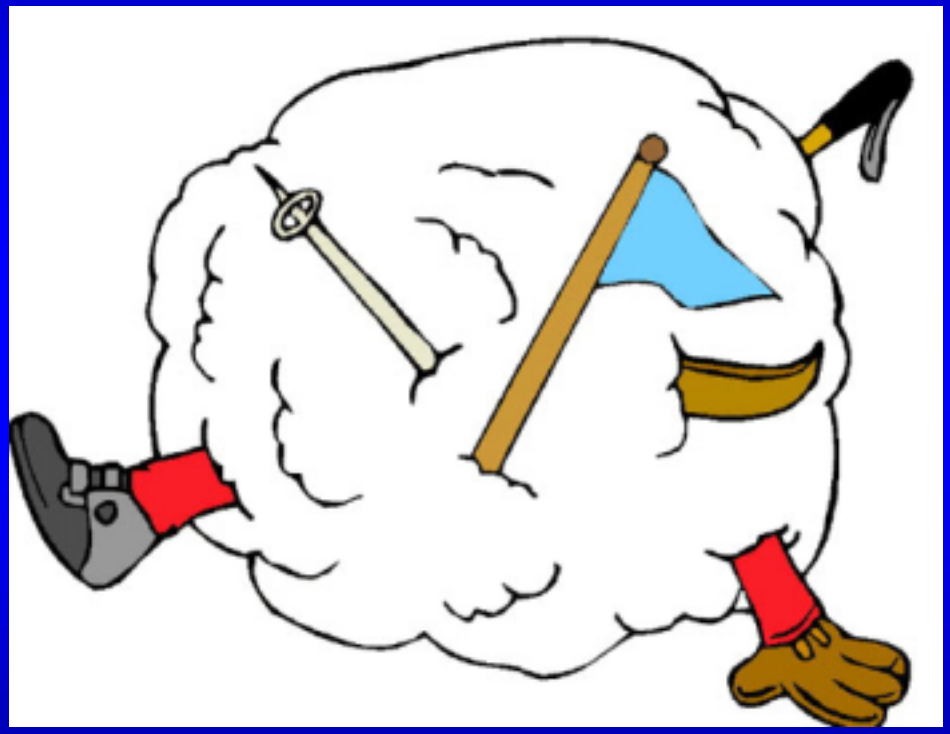
A. Energy production and use

B. Flowers and trees

C. Bees

A—Congratulations! You got that one right.
Give yourself $30.

<u>Choose the next question.</u>



B or C—Sorry!

You missed that one. The correct answer is A.

<u>Your opponent now gets to choose.</u>

The 1990s represent the hottest decade on record. Why?

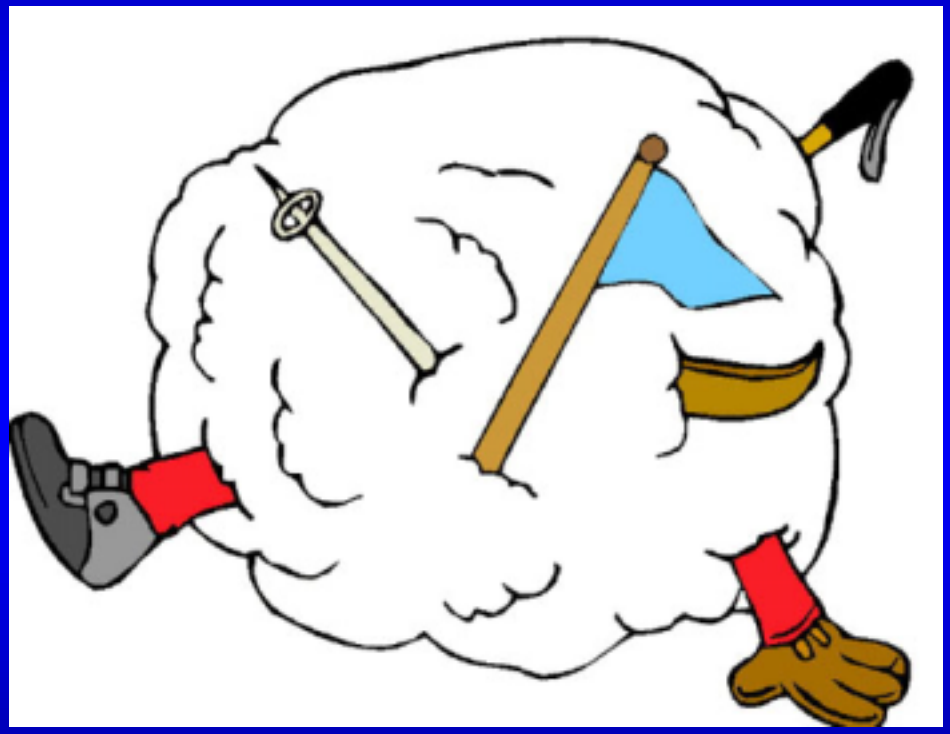
A. The world's population is at an all-time high, and people give off heat.

B. People's income was highest in the 1990s, allowing more people to barbecue.

C. We don't know for sure, but many scientists suspect that our burning of fossil fuels, which releases greenhouse gases, may be contributing to global warming.

C—Congratulations! You got that one right.
Give yourself $40.

<u>Choose the next question.</u>



A or B—Sorry!

You missed that one. The correct answer is C.

<u>Your opponent now gets to choose.</u>

Where does the United States get most of its oil from?

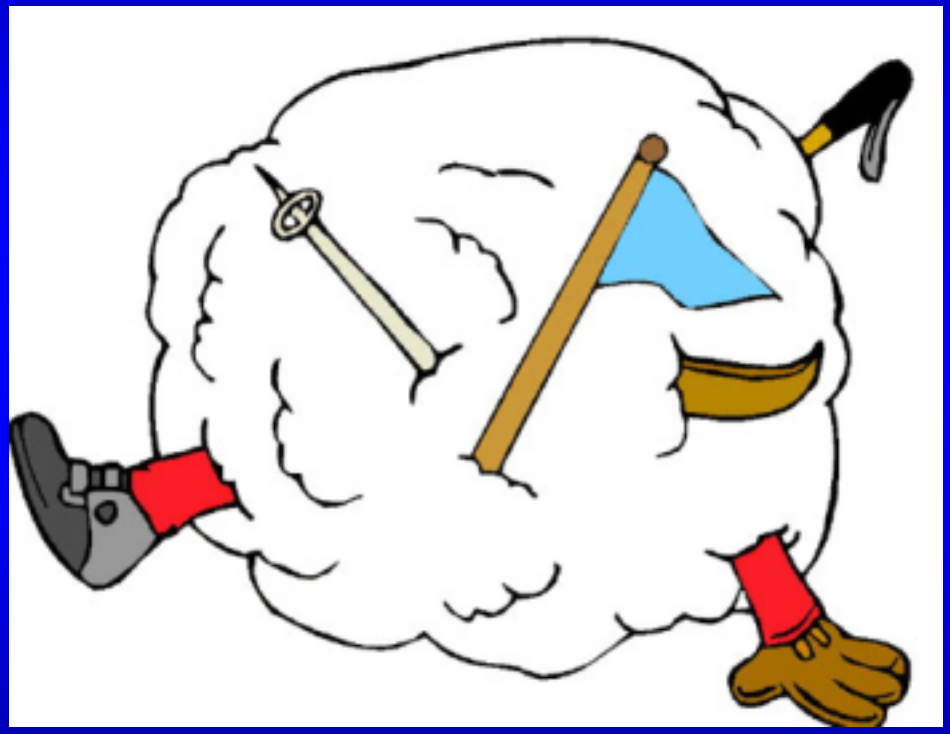
A. The Strategic Petroleum Reserve

B. More than half is imported from OPEC and other oil-producing countries.

C. Alaska

B—Congratulations! You got that one right.
Give yourself $50.

<u>Choose the next question.</u>



A or C—Sorry!

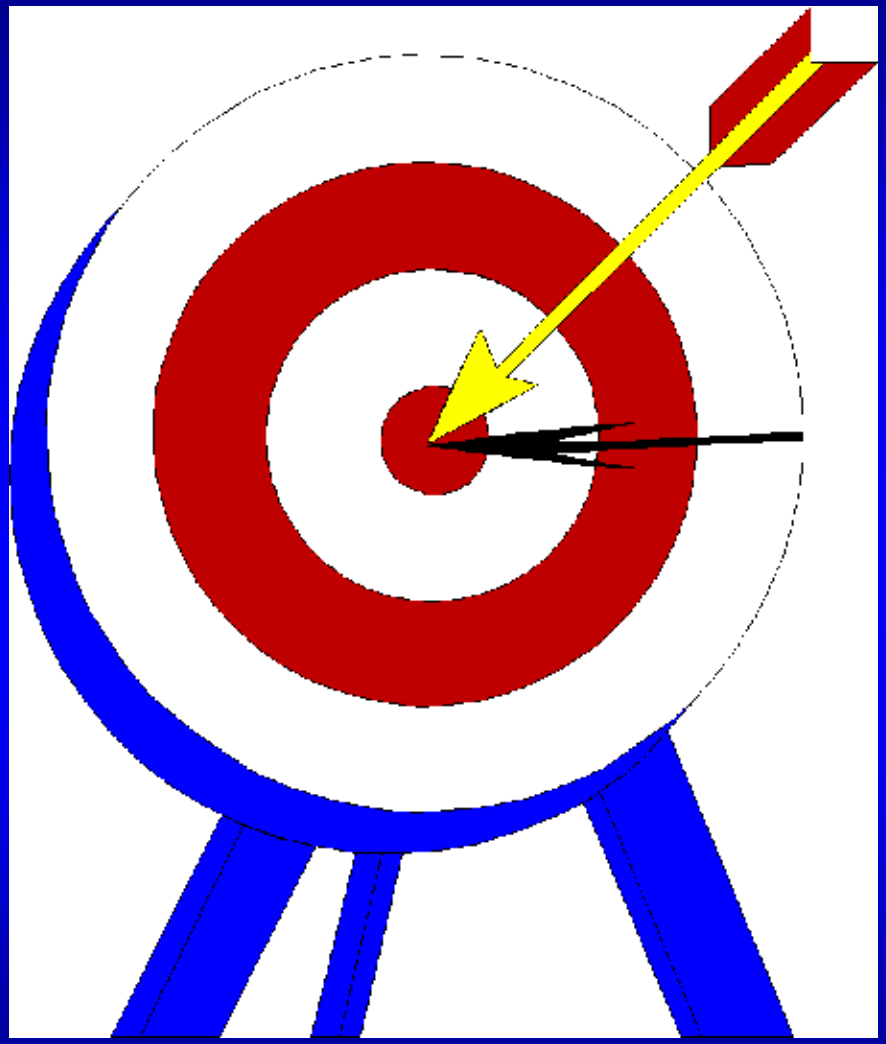
You missed that one. The correct answer is B.

<u>Your opponent now gets to choose.</u>

LIGHTING

The _____ light is the most common lighting source in U.S. homes, but it also wastes the most energy. Ninety percent of the energy consumed by this type of light is given off as heat rather than visible light.

A. Fluorescent
B. Incandescent
C. Electroluminescent



B—Congratulations! You got that one right.
Give yourself $10.

<u>Choose the next question.</u>

A or C—Sorry!

You missed that one. The correct answer is B.

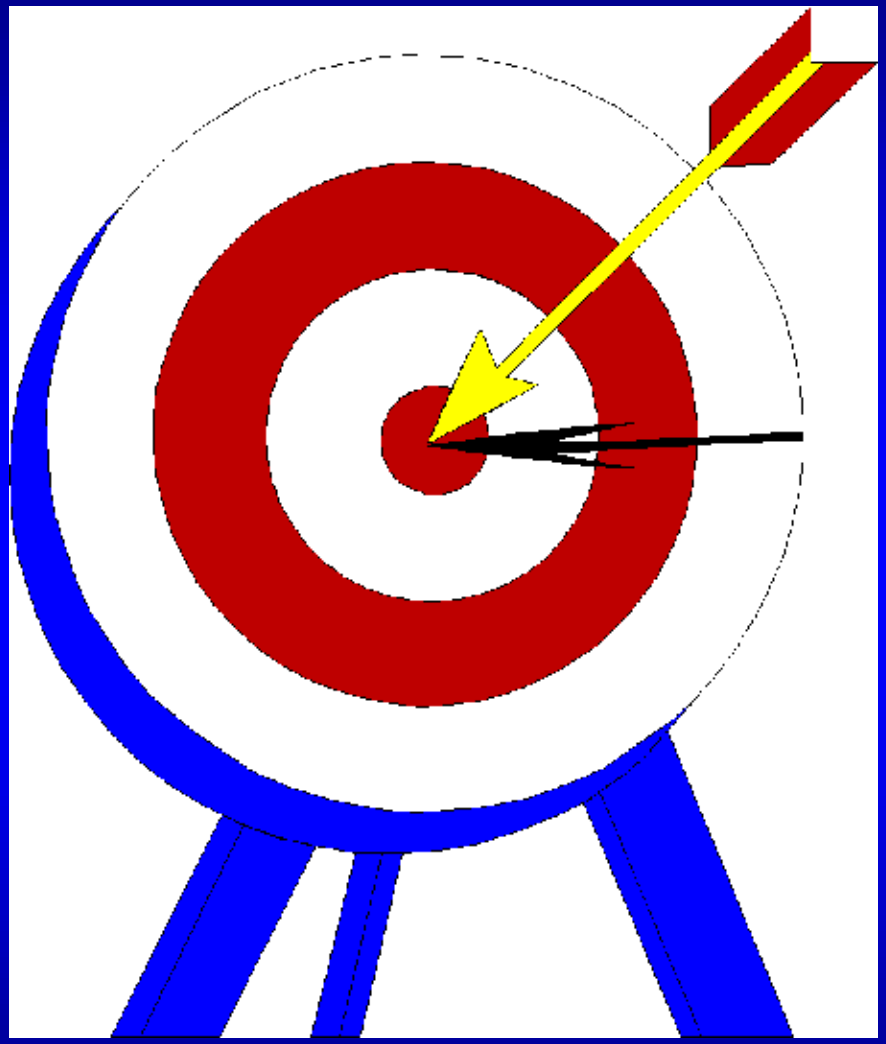
<u>Your opponent now gets to choose.</u>

Which light bulbs are 3-4 times more efficient than standard incandescent bulbs and last 10 times as long?

A. Compact fluorescent bulbs

B. Halogen light bulbs

C. Long-life incandescent light bulbs



A—Congratulations! You got that one right.
Give yourself $20.

<u>Choose the next question.</u>

B or C—Sorry!

You missed that one. The correct answer is A.

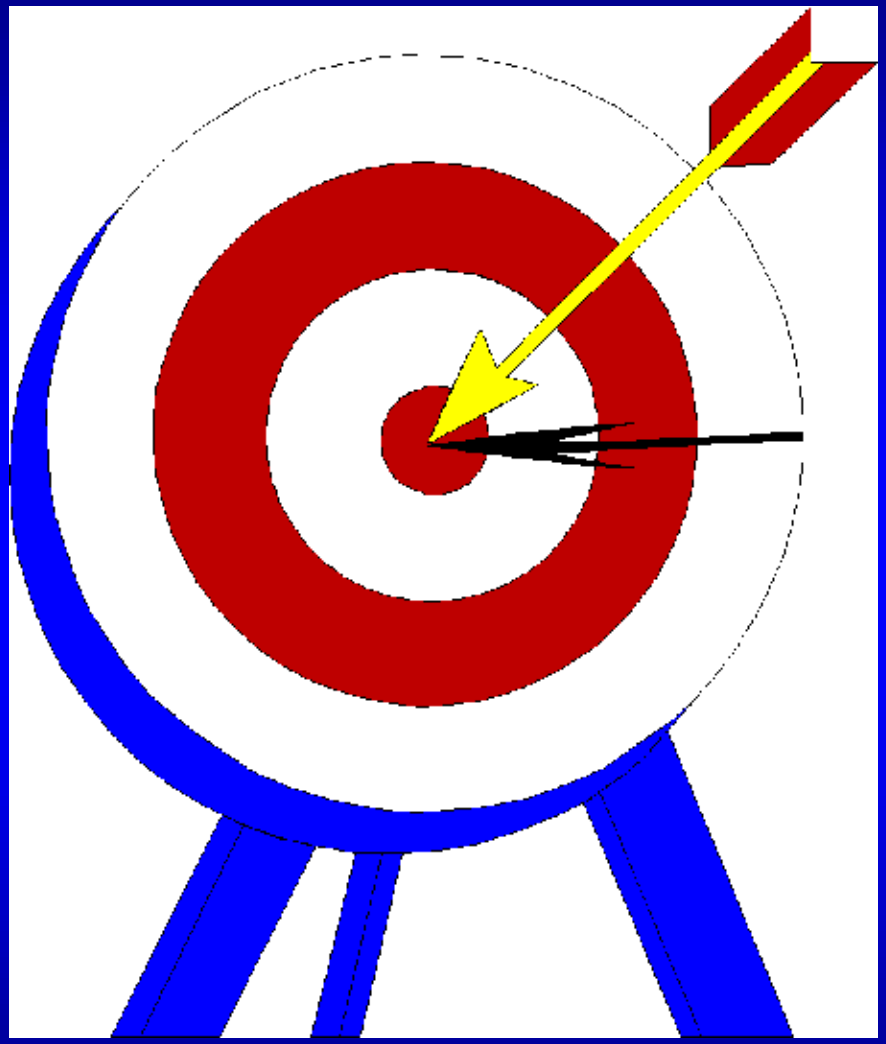
<u>Your opponent now gets to choose.</u>

Properly designed and implemented _____ strategies can save 50 to 80 percent of the lighting energy used in office buildings.

A. Daylighting

B. Moonlighting

C. Starlighting



A—Congratulations! You got that one right.
Give yourself $30.

<u>Choose the next question.</u>

B or C—Sorry!

You missed that one. The correct answer is A.

<u>Your opponent now gets to choose.</u>

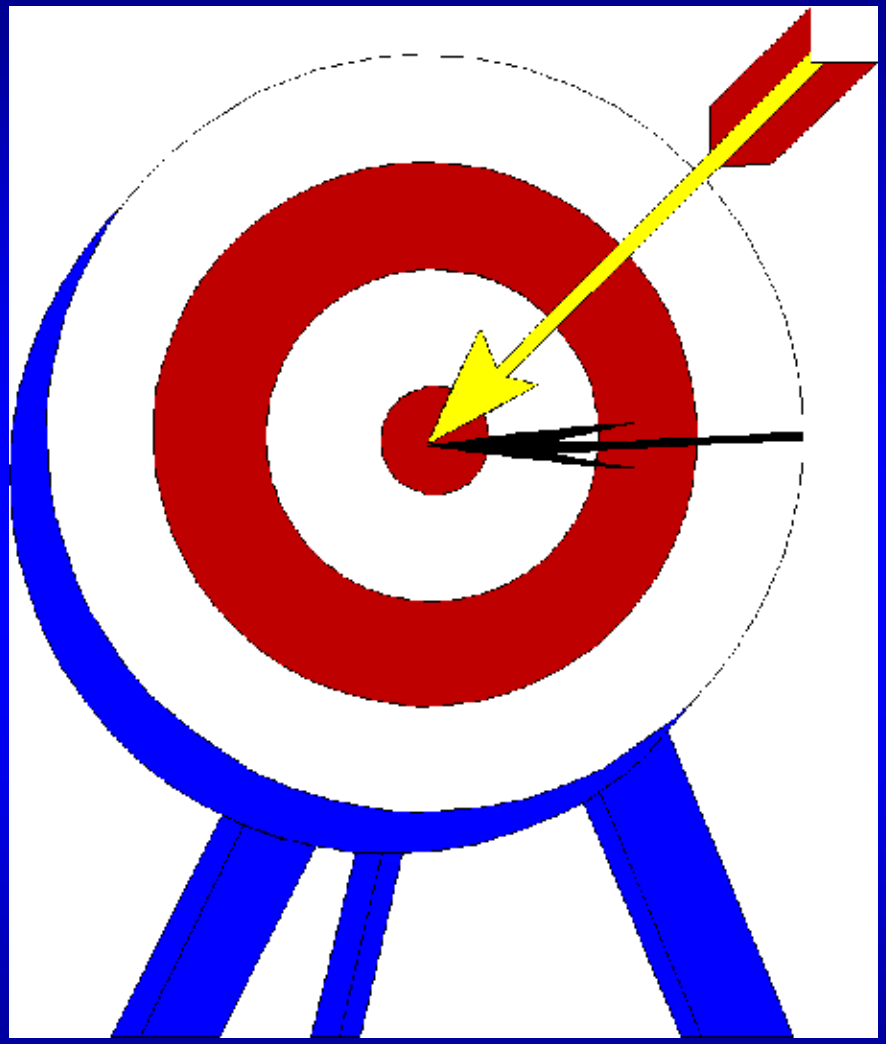
The U.S. Environmental Protection Agency's _____ Program promotes energy efficiency through investment in energy-saving lighting.

A. Yellow Lights

B. Star Lights

C. Moon Lights

D. Green Lights



D—Congratulations! You got that one right.
Give yourself $40.

<u>Choose the next question.</u>

A, B or C—Sorry!

You missed that one. The correct answer is D.

<u>Your opponent now gets to choose.</u>

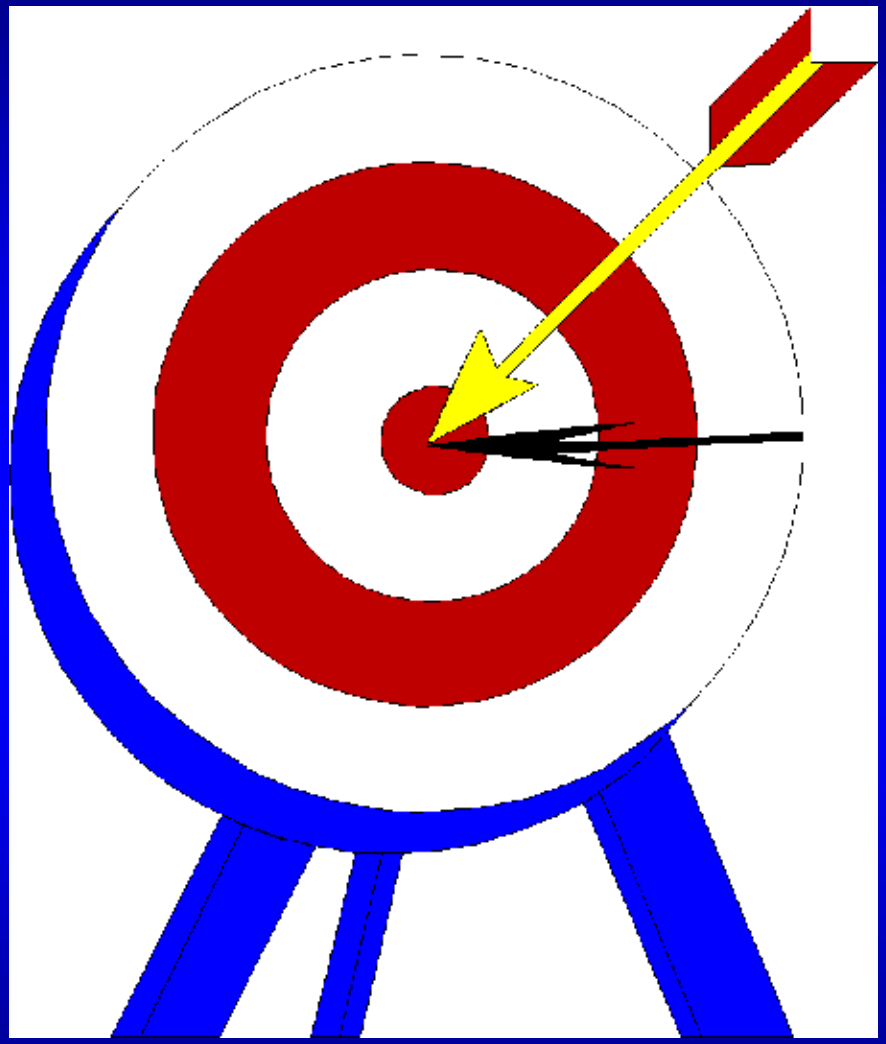
Light output is measured in

A. Lumens

B. Watts

C. Candlesticks

D. Volts



A—Congratulations! You got that one right.
Give yourself $50.

<u>Choose the next question.</u>

B, C or D—Sorry!

You missed that one. The correct answer is A.

<u>Your opponent now gets to choose.</u>

HOMES & BUILDINGS

Sustainable design uses _____ building practices.

A. Blue
B. Pink
C. Green
D. Yellow

C—Congratulations! You got that one right.
Give yourself $10.

<u>Choose the next question.</u>

A, B or D—Sorry!

You missed that one. The correct answer is C.

<u>Your opponent now gets to choose.</u>

According to the Alliance to Save Energy, what produces twice as much greenhouse gases as the average car?

A. A horse

B. The average American home

C. A baby

B—Congratulations! You got that one right.
Give yourself $20.

<u>Choose the next question.</u>

A or C—Sorry!

You missed that one. The correct answer is B.

<u>Your opponent now gets to choose.</u>

On hot summer days, draw these items indoors to keep out direct sunlight and keep cool; on cold winter nights, draw these items to stay warmer.

A. Cartoons

B. Draperies, blinds, and shades

C. Finger paints

B—Congratulations!
You got that one right.
Give yourself $30.

<u>Choose the next question.</u>

A or C—Sorry!

You missed that one. The correct answer is B.

<u>Your opponent now gets to choose.</u>

Many homes are insulated with insulation made from

A. Cellulose made from recycled newspapers

B. Fiberglass containing recycled glass

C. Both of the above

C—Congratulations!
You got that one right.
Give yourself $40.

<u>Choose the next question.</u>

A or B—Sorry!

You missed that one. The correct answer is C.

<u>Your opponent now gets to choose.</u>

To make your furnace, air conditioner, and heat pump operate efficiently, clean or replace this item regularly:

A. Filter

B. Burner

C. Door

A—Congratulations! You got that one right.
Give yourself $50.

<u>Choose the next question.</u>

B or C—Sorry!

You missed that one. The correct answer is A.

<u>Your opponent now gets to choose.</u>

RENEWABLE ENERGY

Which is <u>not</u> a fossil fuel?

A. Oil

B. Natural gas

C. Solar energy

C—Congratulations! You got that one right.
Give yourself $10.

<u>Choose the next question.</u>

A or B—Sorry!

You missed that one. The correct answer is C.

<u>Your opponent now gets to choose.</u>

Which is the fastest-growing source of electricity in the United States, which is also a clean energy source?

A. Nuclear energy

B. Coal

C. Wind power

C—Congratulations! You got that one right.
Give yourself $20.

<u>Choose the next question.</u>

A or B—Sorry!

You missed that one. The correct answer is C.

<u>Your opponent now gets to choose.</u>

Which renewable energy source, often found near geysers, provides power to generate 180 megawatts of electricity at the Naval Air Weapons Station at China Lake, California?

A. Geothermal power

B. Hydro power

C. Wind power

D. Ocean energy

A—Congratulations! You got that one right.
Give yourself $30.

<u>Choose the next question.</u>

B, C or D—Sorry!

You missed that one. The correct answer is A.

<u>Your opponent now gets to choose.</u>

The ultimate goal of the Million Solar Roofs Initiative is to install one million solar water heaters and _____ electricity-generating systems on U.S. rooftops by 2010.

A. Wind

B. Photovoltaic

C. Wave

D. Geothermal

B—Congratulations! You got that one right.
Give yourself $40.

<u>Choose the next question.</u>

A, C or D—Sorry!

You missed that one. The correct answer is B.

<u>Your opponent now gets to choose.</u>

Which type of renewable energy source uses solar cells to convert sunlight to electricity?

A. Photovoltaics

B. Fiber optics

C. Proton Exchange Membrane (PEM) fuel cells

A—Congratulations! You got that one right.
Give yourself $50.

<u>Choose the next question.</u>

B or C—Sorry!

You missed that one. The correct answer is A.

<u>Your opponent now gets to choose.</u>

WATER CONSERVATION

What can waste up to 20 gallons of water a day?

A. A dripping faucet

B. A waterfall

C. A fish

A—Congratulations! You got that one right.
Give yourself $10.

<u>Choose the next question.</u>

B or C—Sorry!

You missed that one. The correct answer is A.

<u>Your opponent now gets to choose.</u>

What can waste up to 200 gallons of water a day?

A. A leaky toilet

B. A leaky boat

C. A leaky toddler

A—Congratulations! You got that one right.
Give yourself $20.

<u>Choose the next question.</u>

B or C—Sorry!

You missed that one. The correct answer is A.

<u>Your opponent now gets to choose.</u>

A tumble action (horizontal-axis) clothes washer

A. Has been found in scientific tests to break clothes.

B. Uses an average of 30% less water & 40-50% less energy than a conventional clothes washer.

C. Is not very popular because it falls over on little children.

B—Congratulations!
You got that one right.
Give yourself $30.

<u>Choose the next question.</u>

A or C—Sorry!

You missed that one. The correct answer is B.

<u>Your opponent now gets to choose.</u>

What should you install on kitchen and bathroom sink faucets to save water (and the energy used to produce hot water)? They will cut water usage by as much as 280 gallons a month for a typical family of four.

A. Water purifier

B. Water distiller

C. Low-flow aerators

C—Congratulations! You got that one right.
Give yourself $40.

<u>Choose the next question.</u>

A or B—Sorry!

You missed that one. The correct answer is C.

<u>Your opponent now gets to choose.</u>

Low flush toilets, mandated in all new construction, use no more than _____ per flush

A. 10 gallons

B. 5 gallons

C. 1.6 gallons

C—Congratulations! You got that one right.
Give yourself $40.

<u>Choose the next question.</u>

A or B—Sorry!

You missed that one. The correct answer is C.

<u>Your opponent now gets to choose.</u>