

NAME: _____

[Find ways the house IS and IS NOT energy efficient.]



Ways it **IS** energy efficient:

1. **solar panels** _____
2. **4 Energy Star certified appliances: washer, dryer, refrigerator and stove** _____
3. **ceiling fans** _____
4. **thermostat set at 78 degrees** _____
5. **microwave & toaster oven** _____
6. **trees around the house** _____

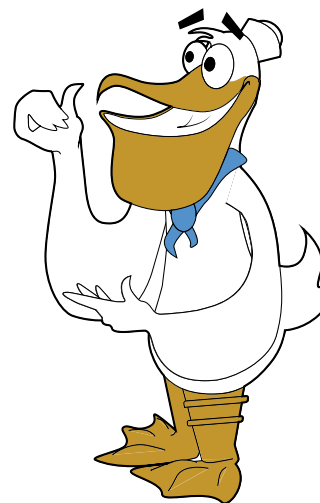
Ways it **IS NOT** energy efficient:

1. **running water faucet** _____
2. **lights switch turned on** _____
3. **curtains open during the summer** _____
4. **open front door & curtains** _____
5. **unwrapped water heater and pipes** _____
6. **thermostat set at 70 degrees** _____

NAME: _____

[True or False]

Save energy, save dough, no matter where you go! Want your city's water cleaned and pumped to your home? Of course you do, but did you know it takes a whole lot of energy to deliver every gallon of water? It does, so for goodness sake, turn off the water, and then, to save even more energy, replace your light bulbs with energy efficient ones.



True If every American home replaced just one light bulb with a light bulb that has earned the Energy Star stamp of approval, we would save enough energy to light 3 million homes for a year.

True A drippy faucet that leaks enough water to fill a soda bottle every 30 minutes will waste 2,192 gallons of water a year.

True The energy-saving ideas you use at home can also be used in school.

True The biggest use of electricity in most cities is supplying water and cleaning it up after it has been used. That's why wasting water is wasting energy.

Energy Crossword Puzzle 1: Answers

4th/5th

[Across]

1. Photosynthetic organism used to make fuel
5. Energy derived from the sun
7. Non-polluting energy sources (2 words)
8. Inspires awareness and appreciation for Earth (2 words)
9. Energy from fission or fusion of atomic nuclei
10. Inexhaustible or replaceable
11. International standard for energy efficient products (2 words)
12. Arises from behavior of electrons and protons

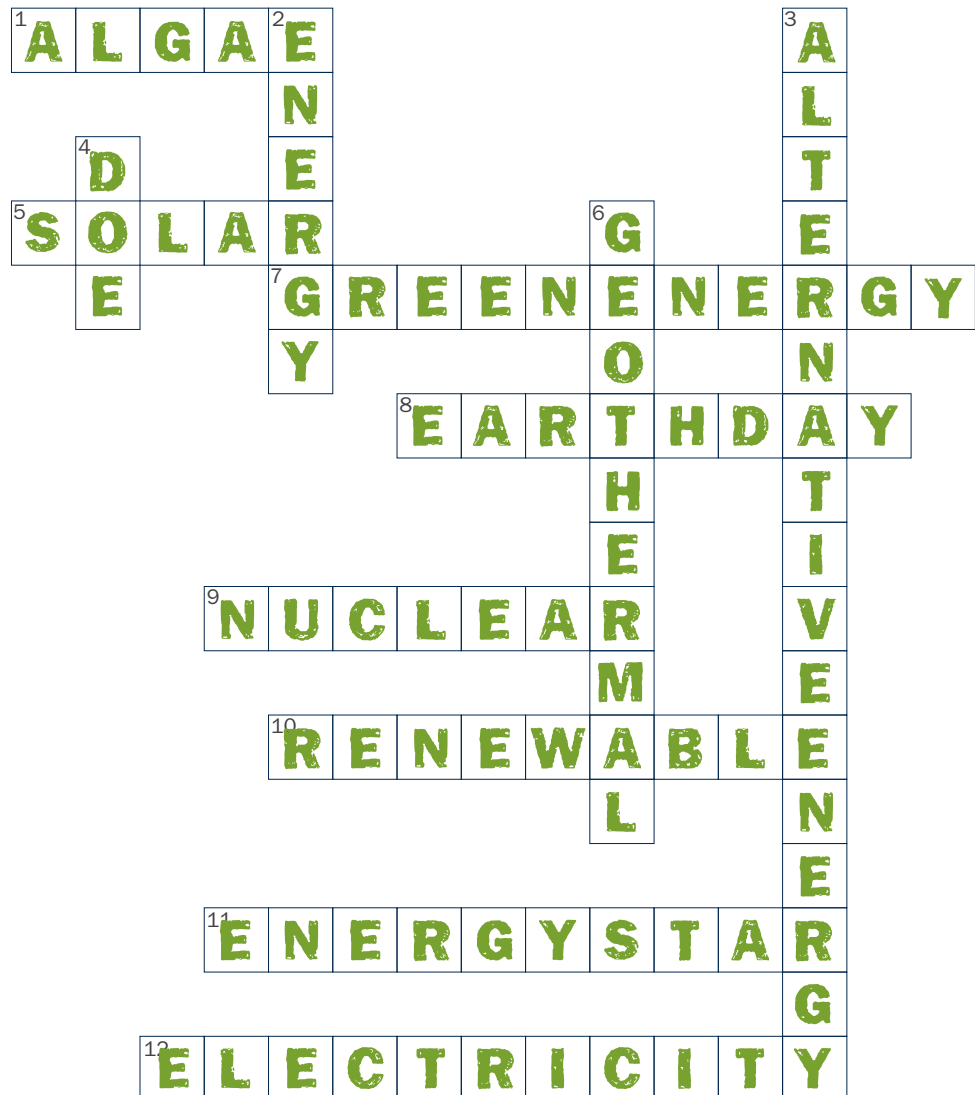
[Down]

2. Fuel from renewable biological resources
3. Replaces existing fuel sources (2 words)
4. Abbreviation for government energy department
6. Internal heat of the Earth

[Word Bank]

energy star geothermal
 alternative energy DOE
 electricity algae energy
 green energy renewable
 solar earth day nuclear

NAME: _____



Energy Crossword Puzzle 2: Answers

4th/5th

[Across]

- Energy delivered from the sun
- Fuels formed from decomposed organisms
(2 words)
- Inexhaustible or replaceable by new growth
- International standard for energy efficient products
(2 words)
- Graphite-like carbon material used for fuel

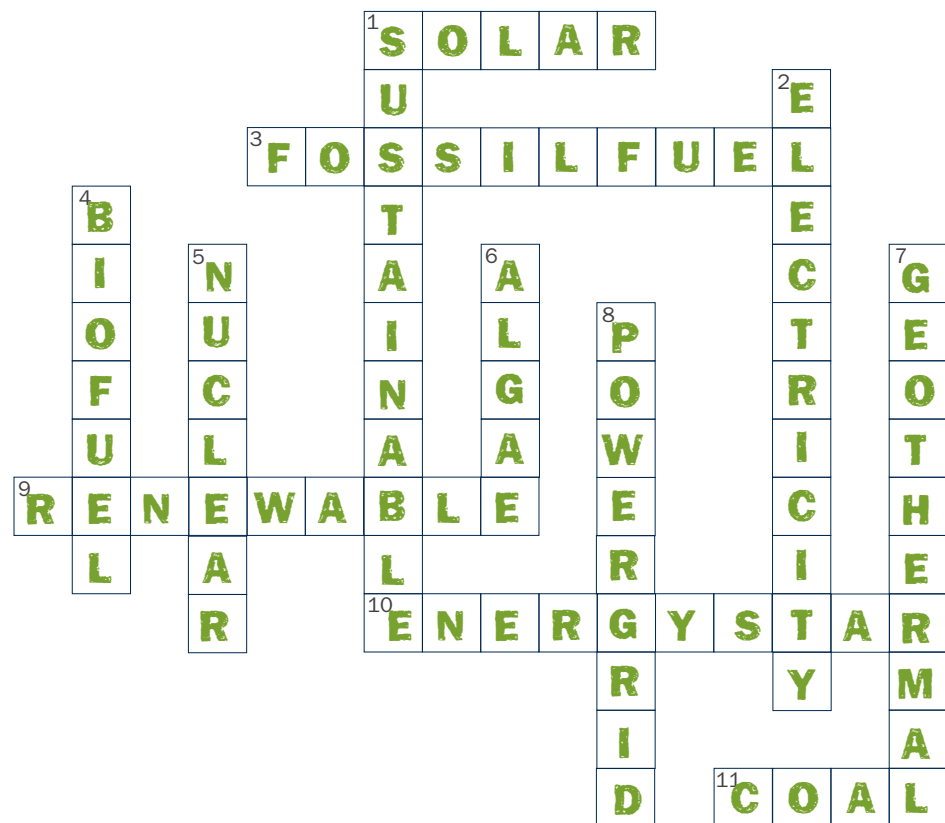
[Down]

- Maintained at a steady level
- Arises from behavior of electrons & protons
- Fuel from renewable biological resources
- Energy from fission or fusion of atomic nuclei
- Photosynthetic organism used to make fuel
- Relating to the internal heat of the earth
- Networked power control centers (2 words)

[Word Bank]

algae solar renewable
geothermal electricity
energy star biofuel coal
fossil fuel nuclear
sustainable powergrid

NAME: _____



Energy Crossword Puzzle 3: Answers

4th/5th

[Across]

- Internal heat of the Earth
- Non-polluting energy sources
(2 words)
- Energy derived from the sun
- Arises from behavior of electrons & protons
- The most abundant element in the universe
- Energy derived from moving air
(2 words)

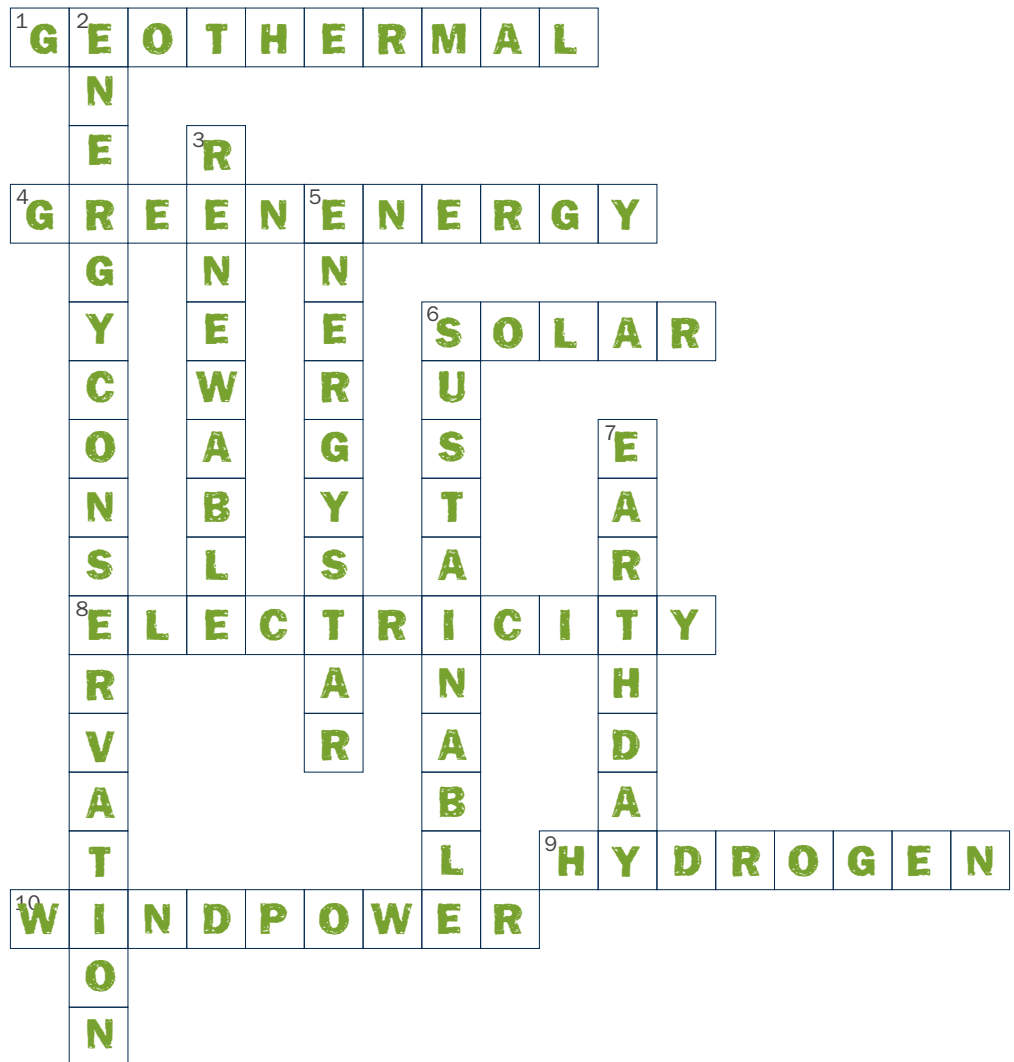
[Down]

- Efforts made to reduce energy consumption
(2 words)
- Inexhaustible or replaceable
- International standard for energy efficient products
(2 words)
- Maintained at a steady level
- Inspires awareness & appreciation for Earth
(2 words)

[Word Bank]

earth day green energy
sustainable energy star
solar wind power
renewable electricity
geothermal hydrogen
energy conservation

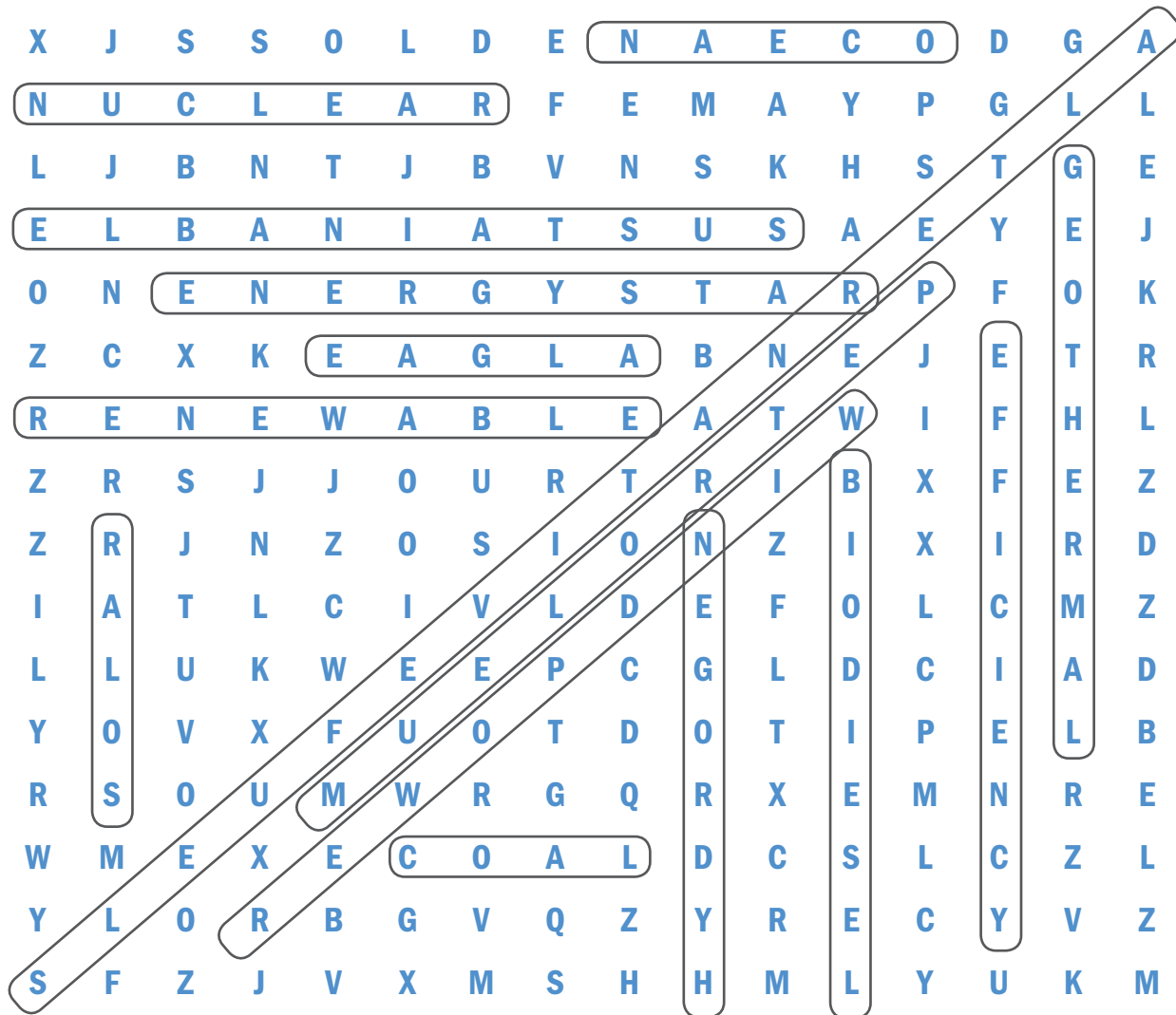
NAME: _____



Energy Wordsearch 1: Answers

4th/5th

NAME: _____

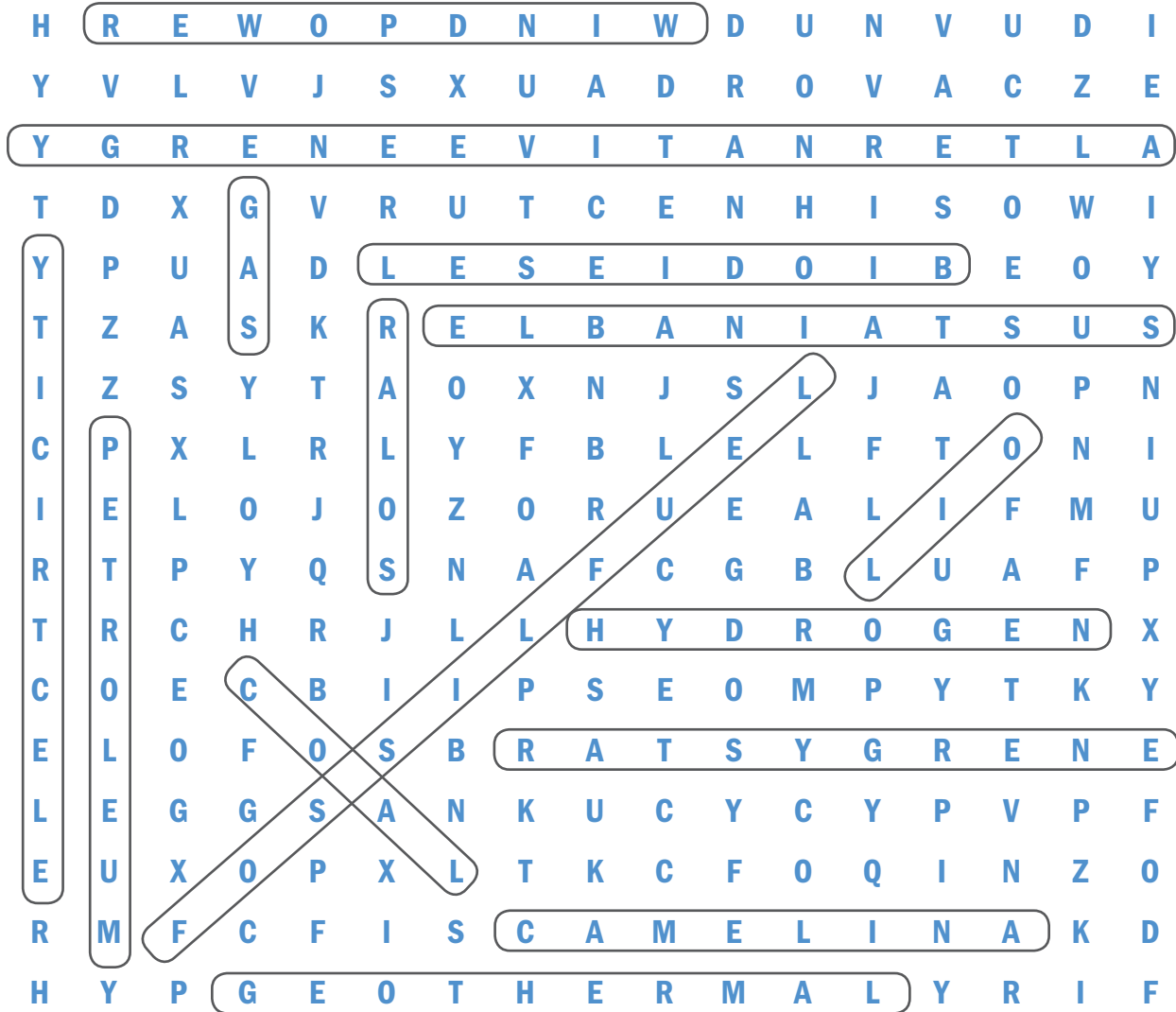


- | | | |
|-------------|-----------|-------------------|
| algae | hydrogen | sustainable |
| biodiesel | nuclear | alternative fuels |
| coal | petroleum | wind power |
| energy star | renewable | efficiency |
| geothermal | solar | ocean |

Energy Wordsearch 2: Answers

4th/5th

NAME: _____




FIND

alternative energy

energy star

solar

biodiesel

fossil fuel

sustainable

camelina

geothermal

wind power

coal

hydrogen

oil

electricity

petroleum

gas

Energy Wordsearch 3: Answers

4th/5th

NAME: _____

A	U	W	J	X	W	U	I	W	P	K	J	C	T	R	W
O	N	W	C	F	E	V	J	I	T	K	R	P	G	E	L
B	Q	U	G	T	T	G	E	O	T	H	E	R	M	A	L
E	L	B	A	W	E	N	E	R	X	Z	E	L	B	X	R
S	U	S	T	A	I	N	A	B	I	L	I	T	Y	B	Z
N	X	R	V	A	M	P	I	R	E	P	O	W	E	R	N
S	L	E	U	F	E	V	I	T	A	N	R	E	T	L	A
U	M	G	U	H	G	F	W	I	N	D	P	O	W	E	R
E	V	U	V	X	P	D	Q	H	I	I	P	J	S	C	I
U	X	G	A	R	E	Y	E	J	Z	Y	M	A	O	Y	L
J	I	I	I	N	N	E	G	O	R	D	Y	H	C	G	Z
U	H	J	E	L	E	C	T	R	I	C	I	T	Y	S	S
U	I	A	O	T	R	N	V	E	M	Z	T	P	F	H	O
V	Q	O	A	P	G	A	P	X	D	F	C	O	A	L	L
J	Y	G	W	H	Y	V	L	T	T	O	B	I	U	X	A
T	G	J	J	L	T	Q	O	A	L	G	A	E	Y	W	R



FIND

algae

alternative fuels

coal

electricity

geothermal

hydrogen

renewable

solar

sustainability

vampire power

wind power

energy