

Name _____ Date: _____ Period _____

Bill Nye: the Science Guy: ENERGY

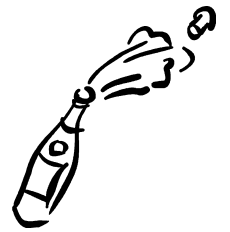
1. When we do something we are using _____.
2. Energy can be _____ from one form to another.
3. Lifting the tank of water up to the top shelf gave it some _____.
4. When energy is **stored**, we call it _____ energy.
5. When energy is **moving**, we call it _____ energy.
6. Lifting the tank of water gave it _____ energy.



This energy was converted into _____ energy when the water flowed down the tube.

The water was used to power a generator, creating _____ energy.

7. Baking soda plus vinegar gives us a chemical _____.
8. The cork popped off the bottle because _____ energy was changed to _____ energy.



9.  In the bowling ball demonstration, we pull the bowling ball back and give it _____ energy.

When we release the bowling ball we give it _____ energy.

10. Energy can be changed from

11. Electrical energy can change forms into _____, _____, and _____ energy.



12. A laser converts _____ energy into
_____ energy
by making _____ molecules vibrate.

13. Fossil fuels are something that we pump or _____ up.

14. The energy we get from foods which began as _____ energy from the sun.

15. Only about _____ % of your body's chemical energy is used to move around.

The rest is turned to _____.

16. Whenever energy is converted from one form to another a little bit of it ends up as
_____.

17. Black bungee cords stor energy and then it transforms into _____.

18. Microwaves make water het hot by making them _____ on each other and
make popcorn kernels turn _____.

Thought Question for AFTER the movie:

16. Why didn't the bowling ball pendulum hit Bill Nye in the face?
