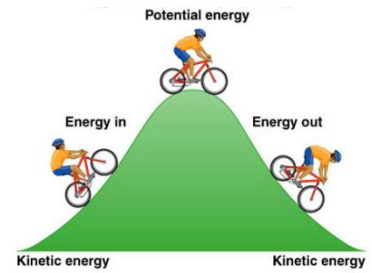


Energy



Bill Nye: "Energy"

1. Energy is _____.
2. When we do something like open a door, we use _____.
3. Energy comes in all different forms _____, _____, and _____.
4. Energy can be _____ from one form to another.
5. Sound, heat, falling things and electricity are all forms of matter / energy.
6. When energy is stored, we call it _____ energy.
7. When energy is moving, we call it _____ energy.
8. Energy can / cannot be changed from one form to another.
9. The energy of lifting water above our heads is stored as potential / kinetic energy in water.
10. This energy was converted into _____ energy when the water flowed down the tube. The water was used to power a generator, creating _____ energy.
11. Baking soda and vinegar cause a(n) _____ reaction that releases energy.
12. The cork popped off the bottle because _____ energy was changed to _____ energy.
13. In the bowling ball demonstration, we pull the bowling ball back and give it _____ energy.
14. When we release the bowling ball we give it _____ energy.
15. Kinetic energy can never be greater than the _____ energy in the pendulum.
16. Energy can be changed from _____ to another.
17. Electricity can be made by heating / cooling steam or by falling water used to turn a generator.
18. Nuclear power comes from _____.
19. Wind also has _____ and makes electricity.
20. You should only use electricity when _____.
21. In a dam water turns the _____, which turns the _____, which makes _____.

22. A laser converts _____ energy into _____ energy by making _____ molecules vibrate.
23. We can store _____ in a bungee cord.
24. The motor that moves a toy takes the _____ stored in the toy's battery and turns it into _____.
25. A _____ can convert water into electricity.
26. Oil is a _____ that we pump up. It is a chemical that we combine with _____ to make heat.
27. The energy stored in food is really stored light energy from the moon / sun.
28. Only about ____% of your body's chemical energy from _____ is used to move around.
29. We get hot when we exercise. Most of the energy in food is converted into _____ by our bodies.
30. Energy is needed to help things _____ and _____.
31. Energy makes things _____, _____, _____, _____.
32. Potential energy is converted into kinetic energy when bungee cords are compressed/ released.
33. Microwaves make _____ get hot. They make water molecules _____ against each other. The water molecules turn into _____ and _____ the popcorn.

