Energy Transformations

Describe the energy transformation that is occurring in each sentence. Underline the key word or phrase that indicates the energy changing into a different form. Then, fill in the boxes to complete the transformation using one of the main forms of energy – chemical, gravitational, elastic, nuclear, mechanical, electrical, sound, thermal, or radiant. The first one has been completed for you.

1. A **battery** is placed in a flashlight, which completes a **circuit**, then produces **light** when turned to the on position.

chemical	→	*electrical*	→	*radiant*

2. A **rotating turbine** generates **electricity** to **power a blow-dryer**.

	→		→	

3. **Lion on a cliff's edge pounces** onto a **deer** below and consumes it.

	→		→	

4. Electricity flows to microwave as it reheats your food.

	→		→	

5. A person standing on the edge of a diving board pushes down to bend the board, then bounces up.

	→		→	

6. A battery powers a phone that chimes when turned on.

	→		→	

7. Atoms fuse in the Sun to produce sunlight that is absorbed by plants.

8. Coal, a fossil fuel, is burned to generate electricity.

9. A rubber bike horn is squeezed, which compresses it, and produces a honking noise.

10. A match is struck against the box and produces light.

11. A glass sitting on the edge of the counter falls and makes a loud shattering noise.

12. Propane, a fuel, is burned which causes a hot air balloon to lift off the ground.