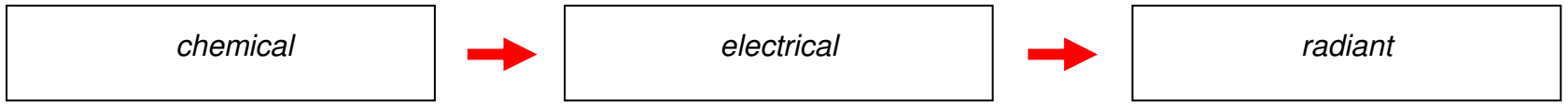
Energy Transformations

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.



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.

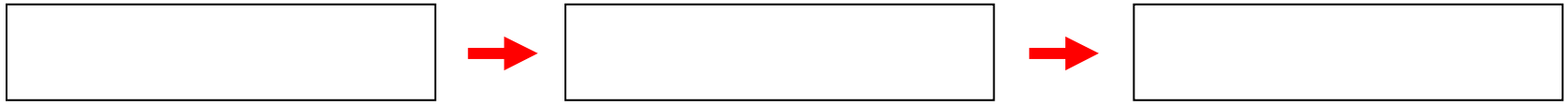
5. A person standing on the edge of a diving board pushes down to bend the board, then bounces up.

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.

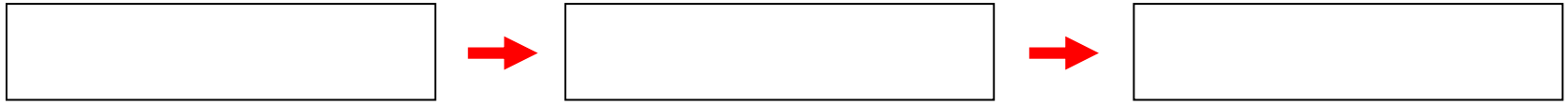
9. A rubber bike horn is squeezed, which compresses it, and produces a honking noise.



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.



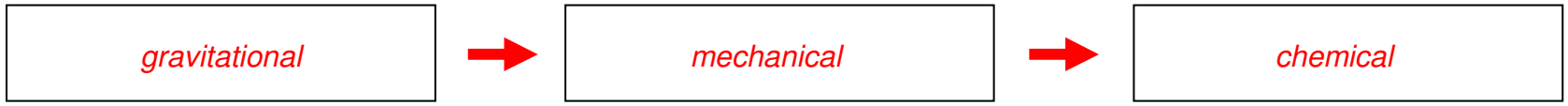
Energy Transformations Key

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.

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.



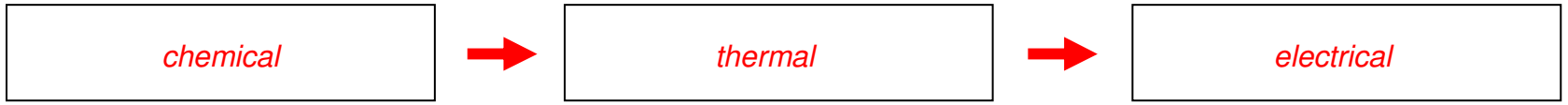
4. **Electricity** flows to **microwave** as it **reheats** your food.

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.

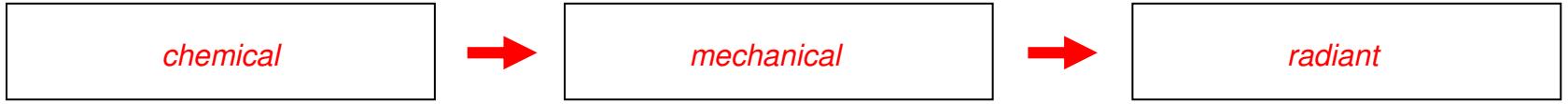
7. **Atoms fuse** in the Sun to produce **sunlight** that is absorbed by **plants**.

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

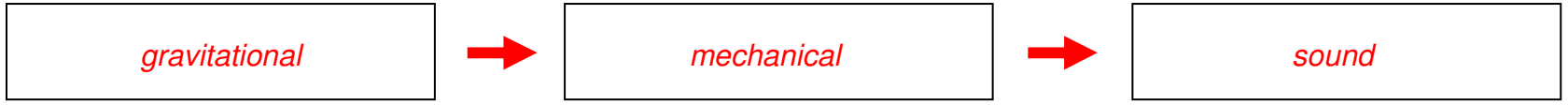


9. A rubber bike horn is **squeezed**, which **compresses** it, and produces a **honking noise**.

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.