

Receptors:

- **Chemoreceptors are stimulated by molecules of substances that have to do with smell.**
- **Mechanoreceptors detect pressure, touch, tension, sound vibrations, and internally the position and posture of the body.**
- **Photoreceptors are stimulated by light and light sensitive cells**
- **Thermoreceptors are stimulated by heat and cold, they are located in mammal like skin and in the hypothalamus of the brain in complex vertebrates.**

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Generation and transmission:

Nerve cells contain positively charged ions of sodium and potassium and negatively charged protein molecules.

- The receptor cell must be stimulated or resting. It must cross a certain threshold to be stimulated.

Reflex arcs:

A reflex action requires an impulse to travel to the