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| **Receptor** | **Location** | **Detects** |
| Thermoreceptors | Hypothalamus (central)  Skin (peripheral) | Core body temperature  External temperature |
| Osmoreceptors | Hypothalamus | Osmotic pressure |
| Chemoreceptors | Nose  Mouth  Blood vessels  Medulla oblongata | Regulation of chemicals in the body. pH levels |
| Touch receptors | Skin (lips, fingertips, eyelids and genitals) | Responds to touch |
| Pain receptors | Skin  Mucous membranes  Most organs (not brain) | Damaged tissues |
| Pressoreceptors | Aorta  Right carotid artery  Right atrium | Blood pressure |
| Glucoreceptors | Pancreas | Blood sugar levels (glucose) |