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| **Receptor** | **Location** | **Detects** |
| Thermoreceptors | Hypothalamus (central)Skin (peripheral) | Core body temperatureExternal temperature |
| Osmoreceptors | Hypothalamus | Osmotic pressure |
| Chemoreceptors | NoseMouthBlood vesselsMedulla oblongata | Regulation of chemicals in the body. pH levels |
| Touch receptors | Skin (lips, fingertips, eyelids and genitals) | Responds to touch |
| Pain receptors | SkinMucous membranesMost organs (not brain) | Damaged tissues |
| Pressoreceptors | AortaRight carotid arteryRight atrium | Blood pressure |
| Glucoreceptors | Pancreas | Blood sugar levels (glucose) |