- uncoordinated. The myelin sheath is not well developed at birth, and babies' movements are jerky and
- ∞ The gap between cells across which the impulse must travel is known as the <u>Synapace</u>
- 9 are chemicals used to transmit the impulse across the synapse.
- The human nervous system is separated into two major divisions: the
- The brain is wrapped in a triple layer of connective tissue called the MCNING. いまた
- and allows exchange of nutrients and waste Between these layers and the brain is the <u>Ccrebrospinal</u>, which acts as a shock absorber and allows exchange of nutrients and waste.

 - fluidTheSpina Cord connects the brain to the rest of the body through 31 pairs of spinal nerves, process certain $f(\mathcal{C}f)\mathcal{C}\times$ actions.
- and has the ability to process certain_ The peripheral nervous system refers to everything outside of the **brain**The PNS has two main parts: the formattic nervous system and the actions and
- nervous system. The PNS has two main parts: the Sonath nervous system, and the <u>Quitononic</u>
- The somatic nervous system coordinates Voluntar _actions,
- The autonomic nervous system coordinates invaluativy actions, and is divided into the _and parasympathetic nervous systems
- The sympathetic and parasympathetic systems have OPIXOS if the _effects on the same organs.
- pupils, and inhibiting digestion The sympathetic system functions under stress by increasing the heart rate, dilating _ the
- 20. Constructing the pupils, and stimulating digestive The parasympathetic system brings things back to normal by decreasing the heart rate _activity.
- 21. 22. In the human eye, light enters through the CONCO, a tough, transparent layer
- Light then passes through the fluid-filled chamber called the QQUEOUS
- 23. 24. Behind the aqueous humor is the 1/15 _, or the colored part of the eye.
- The buot is actually a small opening in the iris which regulates the amount of light entering
- 25.
- 26. Behind the Iris is the ICAS, which can be adjusted by tiny muscles to help the eye focus. Behind the lens is the VITCOUS hungur, which is the clear, jelly-like fluid which fills the eye. The lens focuses light onto the CCTIAC at the back of the eve
- Rods are sensit Nerves which are sensitive to light (or photoreceptors) on the retina convert light energy
- produce color vision. _are sensitive to light, but do not distinguish color; <u>ConeS</u> _ are less sensitive, but
- 30. here, a _ The Ophic herve 2010 TVC passes through the back of the eye. Because there are no photoreceptors
- 3<u>1</u>. The eardrum, or ナイハウベルいか, vibrates according to the sound waves it receives
- 32 Sound waves are transmitted to the inner ear, or <u>Coch</u> ICa, by three tiny bones.
- 33. The Semses of smell and taste are provided by Chemorece of the senses of smell and taste are provided by Chemorece of the senses of smell and taste are provided by Chemorece of the senses of smell and taste are provided by Chemorece of the senses of smell and taste are provided by Chemorece of the senses of smell and taste are provided by Chemorece of the senses of smell and taste are provided by Chemorece of the senses of smell and taste are provided by Chemorece of the senses of smell and taste are provided by Chemorece of the senses of smell and taste are provided by Chemorece of the senses of smell and taste are provided by Chemorece of the senses of smell and taste are provided by Chemorece of the senses of smell and taste are provided by Chemorece of the senses of smell and taste are provided by Chemorece of the senses of smell and taste are provided by Chemorece of the senses of smell and taste are provided by Chemorece of the senses of the senses
- energy into nerve impulses

Evolution

- early 1800's with his radical theories [QUIVID], author of The Origin of Species, changed the course of scientific history in the
- 2 about life Darwin's voyage aboard the H.M.S. Beaple led him to propose a revolutionary hypothesis
- ω on the Galapagas Lsland animals, such as finches and tortoises. Sports _, Darwin observed the characteristics of many plants and
- 4 His theories centered mainly around the concepts of CVOI whomand hatwal selection
- G natural world. A scientific theory is a well-supported, testable explanation of phenomena that occur in the
- 9 At the time Darwin presented his case, popular European beliefs included: the Earth was only a had not Trousana Crataro _years old; and the planet and all its inhabitants were over time. createa
- .7 3 2.1110CV Tutter of proposed that the Earth is shaped by geological forces that took place over of years.
- Ω processes that could be observed in the present day 7011 stressed that scientists must be able to explain past events in terms
- 9 Motec to their environments. observed that organisms over time, and that they are
- Darwin asked, "If Earth could change over time, then could change as well?"
- Lamarck's hypothesis was later found to be in correct