

The nervous system

Learning Objectives:

1. Describe how a **nerve impulse** is carried
2. Describe a **reflex arc**
3. Explain how a nerve impulse travels across **synapses**

Starter

What are the 5 senses???

Reflex arcs

Learning Objectives:

1. Recall a **reflex arc**
2. Describe the different parts of a **neurone**

Starter

What are the five **senses** in your body?

Eg. Sound – use your ears to hear



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Starter

What are the **5 senses**? Tell the person next to you

5 senses

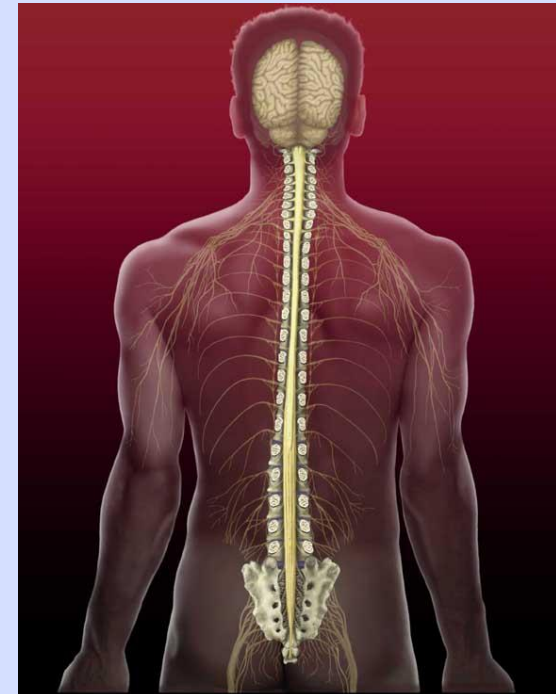
- Touch
- Taste
- Sight
- Smell
- Sound

The central nervous system

Made up of the **brain** and **spinal cord**

The brain tells the body what to do

The signals are sent down **neurones**



A reflex arc

- http://www.bbc.co.uk/schools/gcsebitesize/science/ocr_gateway/ourselves/3_keeping_in_touch6.shtml

Tasks

1. Draw and label a NEURONE
2. Draw a reflex arc and use string to show the 3 NEURONES – don't forget the **synapses**

Reaction time

The time between a **stimulus** and a **response**

Eg. If someone is driving and they see a **cow** in the middle of the road. Their **reaction time** is the time taken to **see the cow** (stimulus) and to **press the brake** (response).



What a synapse is
How does it work

Find out the **adaptations of a neurone**. There are at least 3

- <http://www.bbc.co.uk/science/humanbody/sleep/sheep/>

To finish off..

What are the 5 senses????