

# Science – Animals including Humans

St Francis RC Primary School

ANIMALS

including HUMANS





Animals including Humans

# EYFS

## Knowledge and Understanding of the World

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- We learn that we grow and change.
- We find out what happens when we jump?
- We explore what happens when we run fast?
- We investigate what the hungry caterpillar likes to eat.
- We explore how the caterpillar grows and changes.
- We find out what caterpillars need to do to grow into butterflies?



# EYFS

## Key Vocabulary

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- Living
- not living
- Alive
- dead,
- Grow
- Change
- lifecycle



# Animals including Humans – Year 1

We learn to name the parts of the human body.

We learn the five senses of the human body are touch, sight, smell, taste and hearing.

We learn that carnivores are animals that eat other animals, herbivores are animals that eat only plants and omnivores eat plants and animals.



# Year 1 Key Vocabulary



head

eyes

mouth

leg

hair

wing

fin

feathers beak hooves

body

ears

teeth

tail

claw

scales

fur

paws

We complete the following investigations:

- What are the names for all parts of our bodies?
- ‘Do all animals have the same senses as humans?’

# Animals including Humans – Year 2



- We learn that animals including humans have offspring that grow into adults.
- We learn that all animals including humans need food, water, shelter and air to live and that these are called basic needs.
- We learn that that to grow into healthy adults, animals including humans need exercise, good hygiene and the right amount and type of food.

# Year 2

## Key Vocabulary

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offspring

growth

breathing

hygiene

micro-habitat

food chain

germs

disease

living

dead

never been alive

exercise





## Year 2 – We investigate the following:

- Which offspring belongs to which animal?
- Do all animals have the same senses as humans?



# Animals including Humans – Year 3

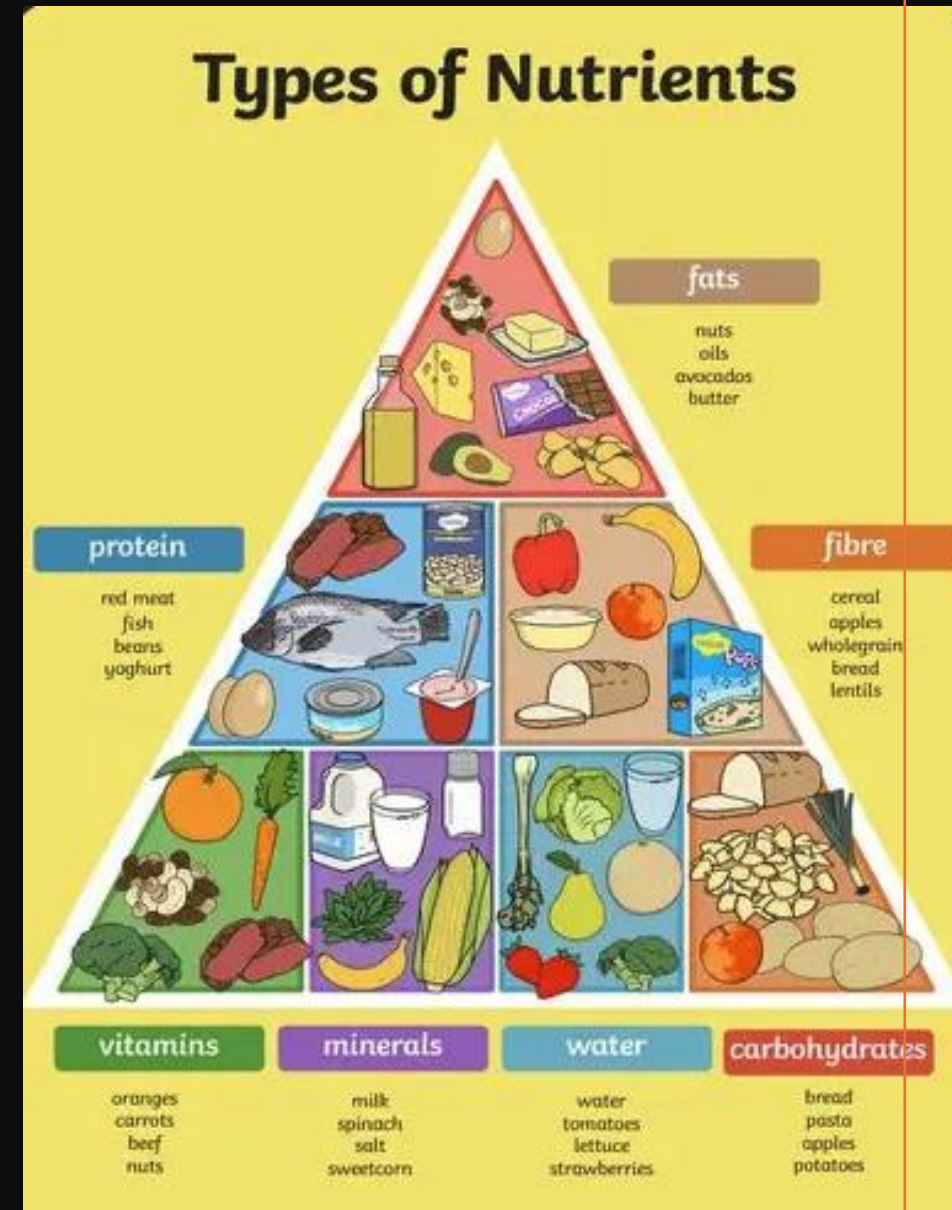
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- We learn that animals need to eat food to get the nutrients they need.
- We learn that one piece of food can provide a range of nutrients.
- We learn that the skeleton has two functions, protection and support.
- We learn that the skull protects our brain.

# Year 3

## Key Vocabulary

- nutrition
- nutrients
- carbohydrates
- proteins
- vitamins and minerals
- fibre
- skeleton
- bones
- muscles joints



Year 3 – We investigate the following:

- How does the height of a girl compare with that of a boy?
- How can we group the food that we eat?

# 5 Main Food Groups

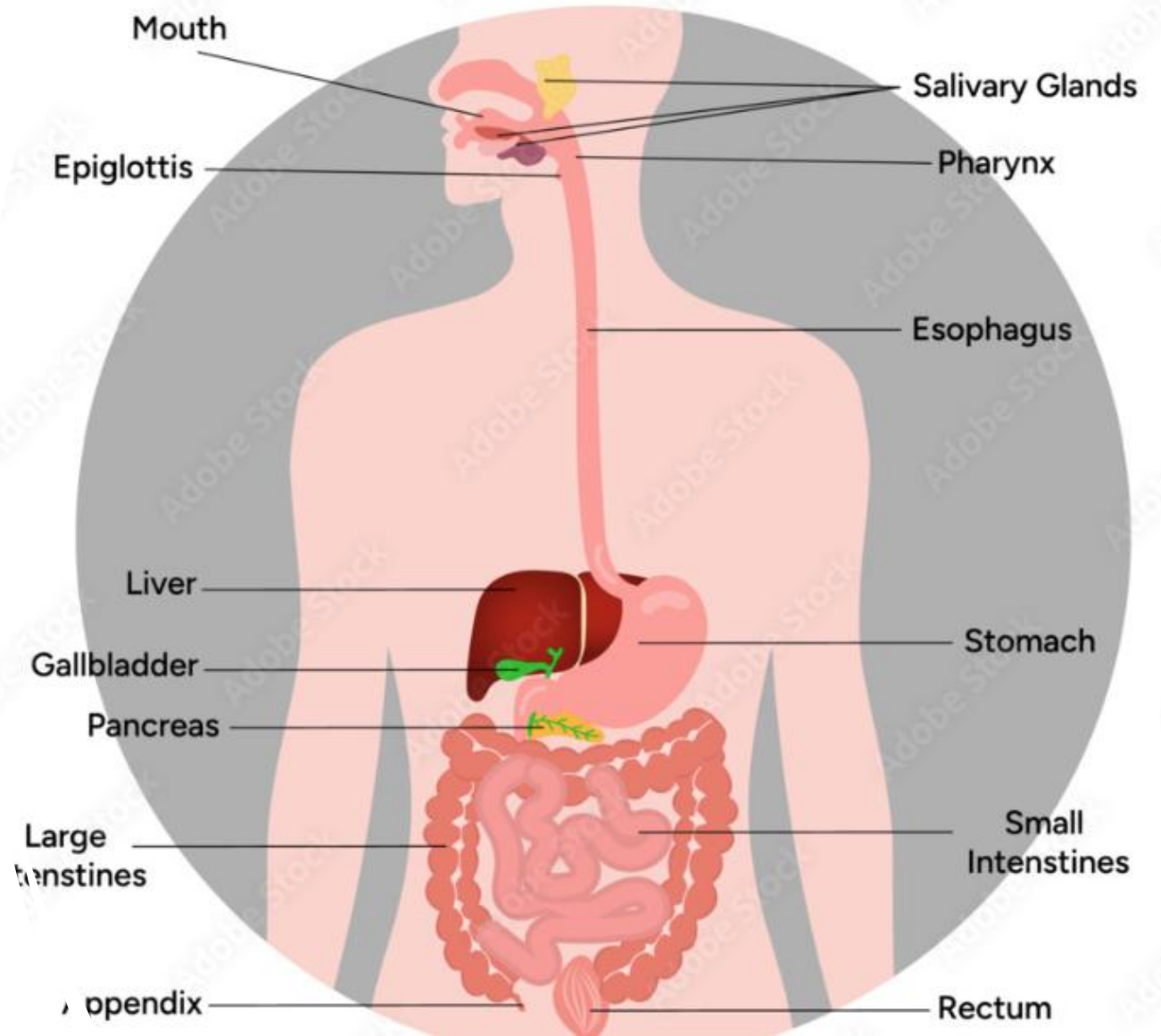


# Animals including Humans – Year 4

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- Know that humans have four types of teeth, molars, incisors, canines and premolars. Be able to describe what the teeth types are used for.
- Know the main parts of the digestive system.
- Know what a food chain is and orally describe one.

## Human Digestive System

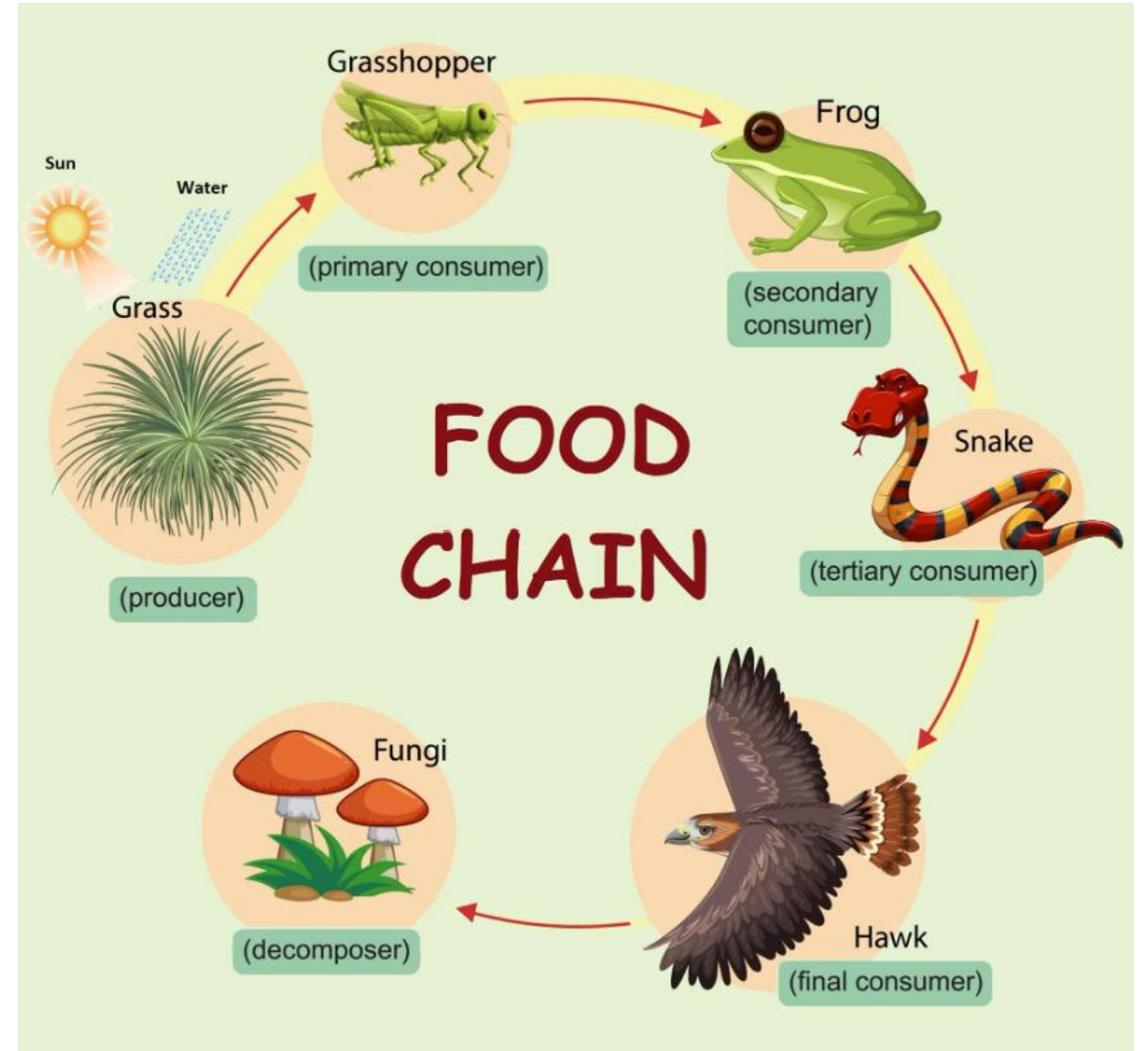


# Year 4

## Key Vocabulary

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- digestive system
- digestion
- herbivore
- carnivore
- omnivore
- producer
- consumer
- predator
- prey
- food chain



# Year 4 – We Investigate the following...

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- In our class, are omnivores taller than vegetarians?
- Are foods that are high in energy always high in sugar?
- How do dentists fix broken teeth?



# Animals including Humans – Year 5

- Know that puberty usually begins between the ages of 8-14
- Know that larger animals usually have a longer gestation period than smaller animals.
- Know that humans go through a variety of changes as they grow

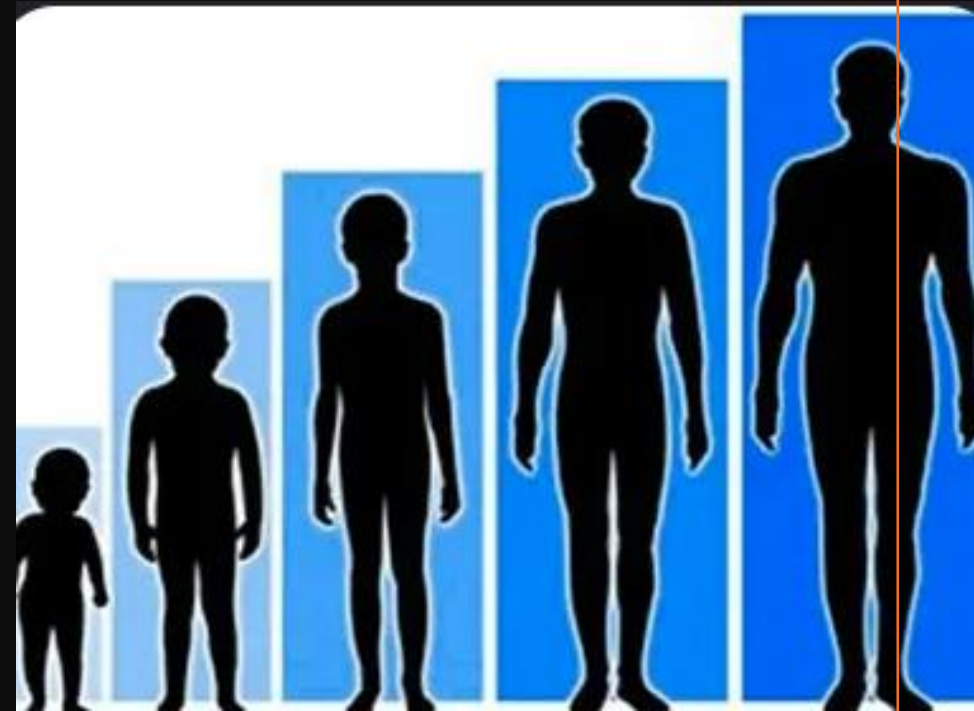


# Year 5

## Key Vocabulary

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- puberty
- sexual reproduction menstruation (period)
- sperm
- egg
- foetus
- gestation
- life expectancy





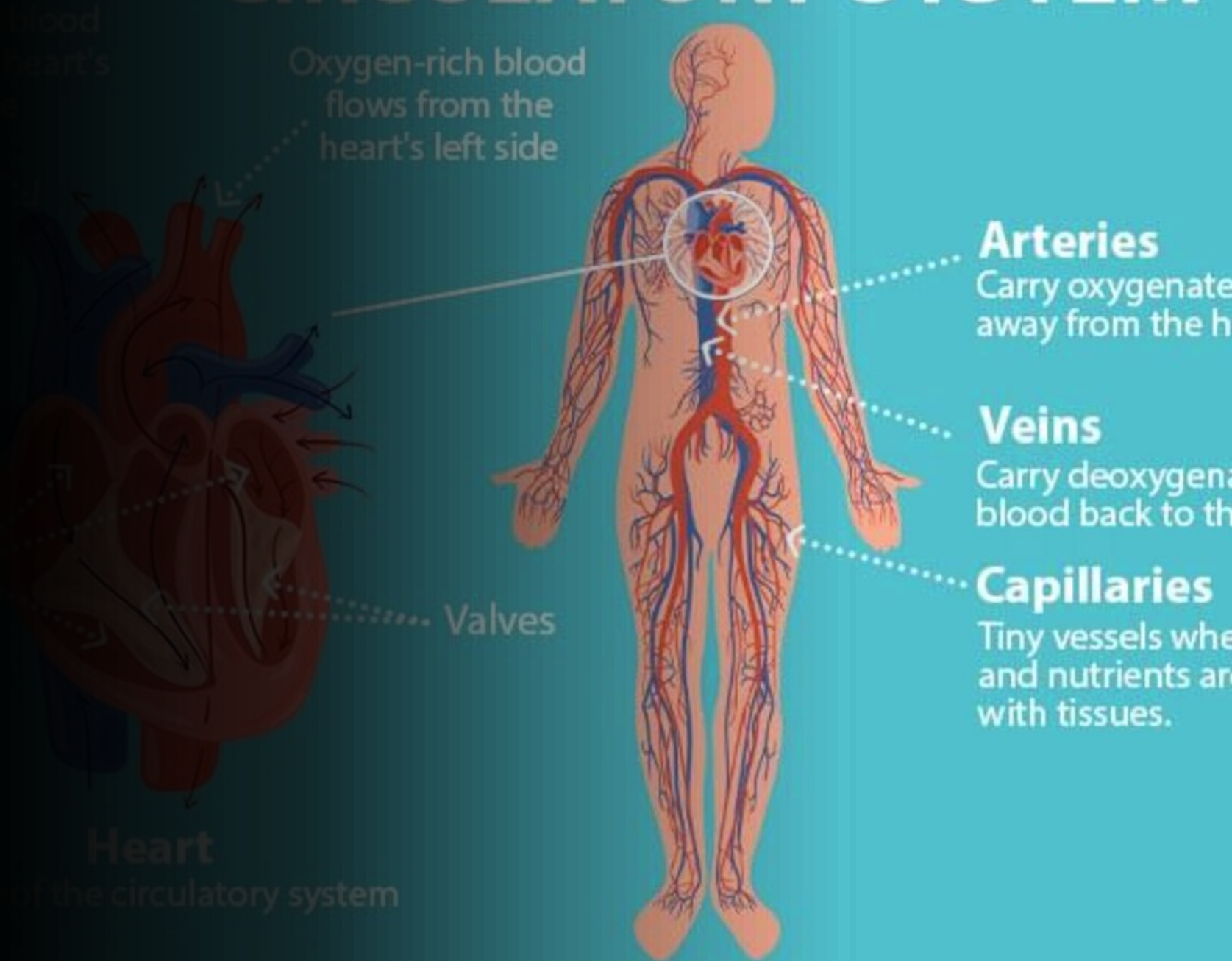
Year 5 – We investigate the following...

- Is there a relationship between a mammal's size and its gestation period?
- Why do people get grey/white hair when they are older?

# CIRCULATORY SYSTEM

## Animals including Humans – Year 6

- The heart and lungs are part of the circulatory system.
- The circulatory systems transports nutrients and water in the blood to the body.
- Our pulse rate increases when we exercise.
- Smoking and alcohol are harmful.
- Exercise is good for us.



# Year 6

## Key Vocabulary

- Heart
- pulse
- blood
- blood vessels
- lungs
- circulatory system
- diet
- exercise
- drugs
- lifestyle



# Year 6 – We investigate the following...

- Who has the greatest Lung capacity?
- Which organs of the body make up the circulatory system, and where they are found.

