



The Fosse
Federation
of Schools

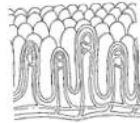
Transporting Nutrients

Food is broken into small parts
chemically and mechanically

Mechanical – Chewing, peristalsis,
churning

Chemical – amylase, proteases, lipase

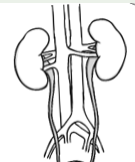
Villi absorb the nutrients in
the small intestines



Nutrients are transported in the
blood along blood vessels to
where they are needed in the
body



The kidneys filter the blood
to remove any waste material



Science – Transporting water and nutrients Year 5 & 6

Working Scientifically

Asking questions – that can be
answered using scientific methods

Making predictions – Using prior
knowledge to suggest what will happen

Setting up tests – Decide on the
equipment and method to use

Recording data – Use drawings, tables
and other methods to record
observations and measurements

Evaluating – Reflecting on success of
the enquiry and identifying new
questions

Reporting findings – Use scientific
language to state what you found

Conclusions – Using the results to draw
simple conclusions

Key Vocabulary

Nutrients

The things we need to
consume (eat) to be able to
survive

Carbohydrates



Broken down to sugars to
provide energy for the body

Proteins



Broken down to amino acids
to help the body to grow
and repair itself

Fats



Are broken down into
lipids, these are needed but
only in small quantities

Villi

The finger-like projections
in the small intestines

Kidneys

Filter the blood to remove
harmful waste which is
excreted in urine

Fibre

This helps your body digest
your food

Peristalsis

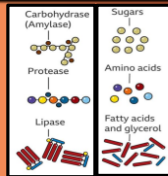
'squeezing action' that
pushes the food through the
digestive system

The 4 stages of Digestion

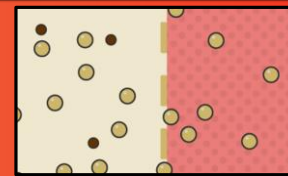
Ingestion



Digestion



Absorption



Egestion

