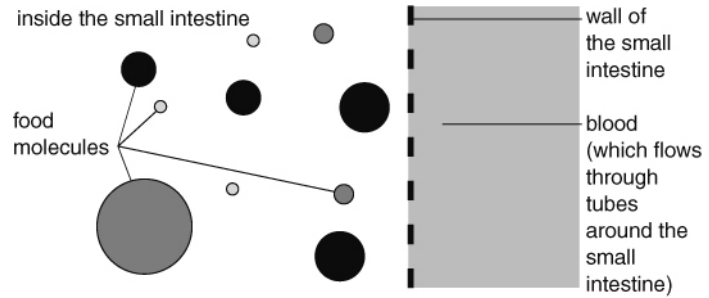


Name _____ Class _____ Date _____

1 The drawing shows a model of the small intestine that can be used to help us think about what happens inside it. The small intestine is where food molecules are taken into the body. The circles represent food molecules.



- a What word describes digested food being taken into the body by the small intestine? Tick (✓) *one*.
- absorption digestion egestion enzymatic degradation ingestion
- b Some of these food molecules will go into the blood from the small intestine. On the drawing above, draw squares around the molecules that will go into the blood.
- c Explain why you have selected those molecules.
- _____
- _____
- d What is the spreading out and movement of molecules from place to place called? Tick (✓) *one*.
- abrasion diffusion dilution peristalsis indigestion
- e In what part of the blood is digested food transported. Tick (✓) *one*.
- red blood cell digestive juice plasma platelets white blood cells

2 a Why do cells respire?

- b What food molecule do all cells use for respiration? Tick (✓) *one*.
- starch protein vitamin C energy glucose

3 The small intestine has villi, which are finger-shaped structures that give the organ a greater surface area. This helps it take in food more quickly.

- a Give *one* other way that the surface area of the small intestine is increased.
- _____

- b In people who misuse alcohol for a long time, the villi can be smaller than usual. Explain a problem that this can cause.
- _____
- _____

I can...

- explain the absorption of soluble nutrients by the small intestine
- explain how the small intestine is adapted to its function.