

1 (a) Describe what is meant by the term physical digestion.

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..... [2]

(b) Fig. 1.1 is a diagram of the human digestive system.

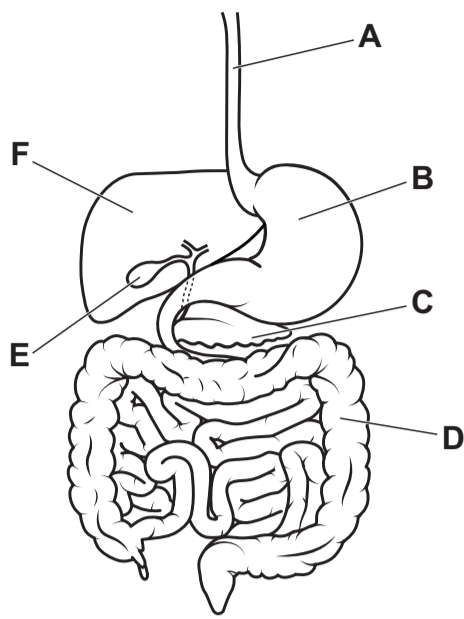


Fig. 1.1

State the letter from Fig. 1.1 that shows one part where:

physical digestion occurs

glucagon is produced

bile is produced.

[3]

(c) Explain the role of bile in physical digestion.

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..... [3]

(d) Physical digestion also occurs in the mouth.

State the names **and** functions of **two** types of human teeth.

1

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2

..... [2]

(e) Fig. 1.2 is a photomicrograph of part of one villus in the small intestine.

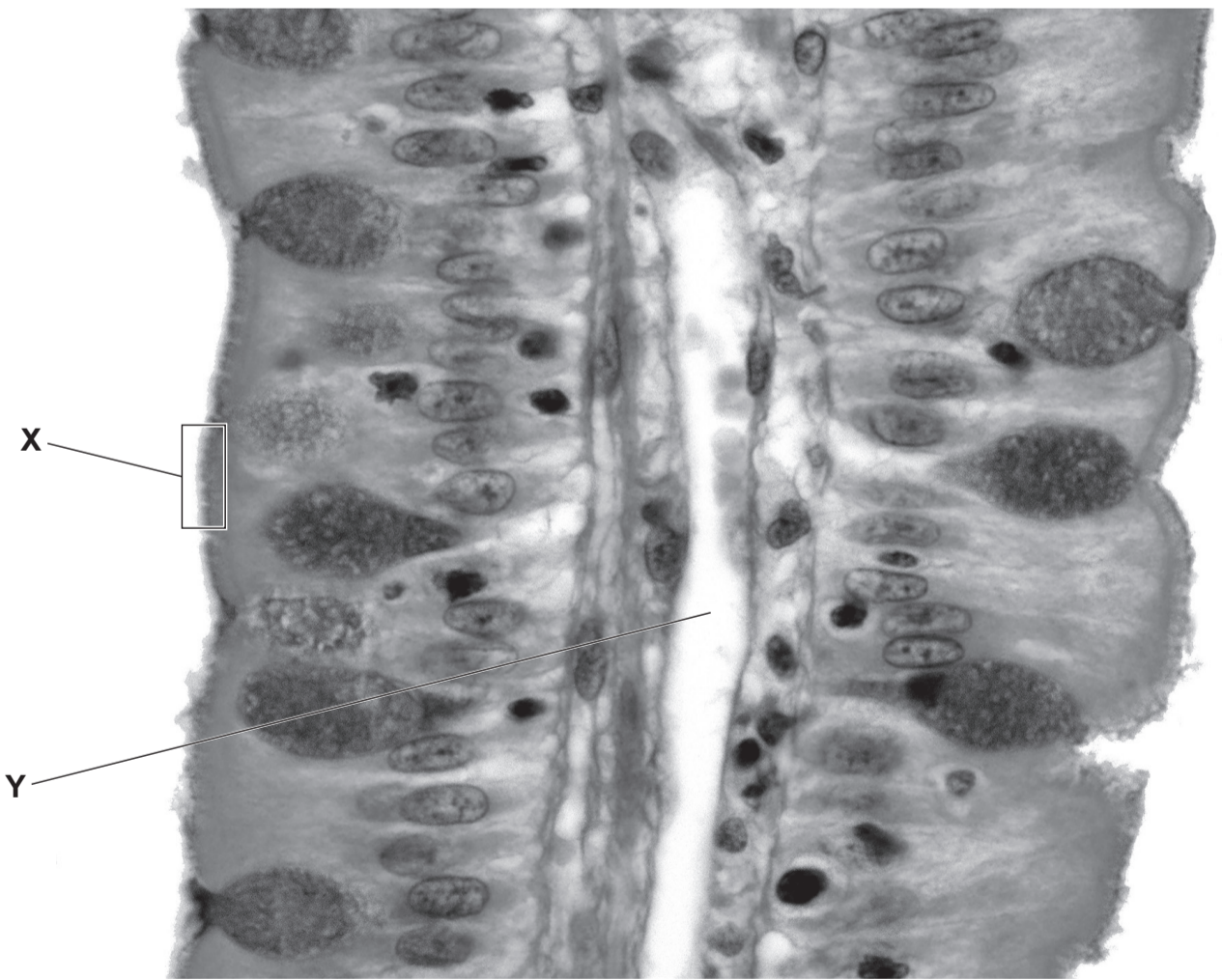


Fig. 1.2

Identify **and** explain the roles of the parts labelled X and Y in Fig. 1.2.

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..... [4]