

(e) Describe the relationship between oxygen uptake and an organism's metabolic rate. **(1)**

(f) A student who examined these data stated that they were unable to draw any conclusions regarding the connection between metabolic rate and developmental stage.

To explain why they were unable to come to a conclusion, use the data in the table. **(3)**

5.

Small slender creature called tubifex worms inhabit water. They lack a specialized circulatory system and gas exchange.

Below is a figure of a tubifex worm.



(a) Identify the mechanism through which oxygen enters a tubifex worm internal cells. **(1)**

(b) Using the information given, describe how two characteristics of the tubifex worm body enable effective gas exchange. **(2)**

1.

2.

