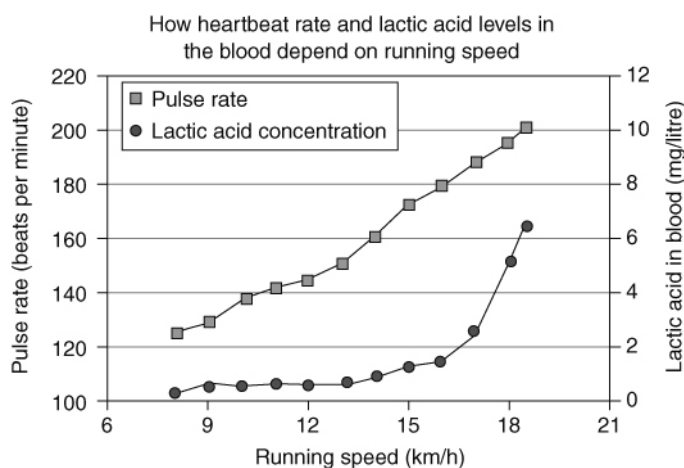


Name _____ Class _____ Date _____

- 1 Complete this table to compare aerobic and anaerobic respiration. Add a tick (✓) to mean 'yes' and a cross (✗) to mean 'no'.

	Aerobic respiration	Anaerobic respiration
Releases energy?		
Needs glucose?		
Needs oxygen?		
Produces a gas?		
One product is acidic?		

- 2 The graph shows the pulse rate of a runner at different speeds. It also shows the amount of lactic acid in his blood at those speeds.



a What happens to the pulse rate as the speed increases? _____

b Explain why this happens. _____

c At which of these running speeds is anaerobic respiration fastest? Tick (✓) *one*.

☐ 0 km/h

☐ 9 km/h

☐ 12 km/h

☐ 18 km/h

d Explain your reasoning. _____

e Why does anaerobic respiration also need to happen at higher speeds?

f Explain why aerobic respiration continues even after anaerobic respiration starts in a muscle.

I can...

- recall what happens in anaerobic respiration
- explain when different types of respiration are used.