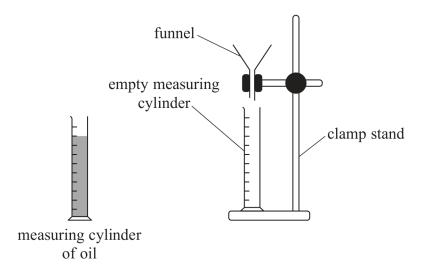
Answer ALL questions.

A student is investigating the effect of temperature on the viscosity of oil by measuring how fast the oil flows through a funnel. He uses the apparatus shown.



(a) (i) State a piece of apparatus the student could use to vary the temperature of the oil.

(1)

(ii) State a piece of apparatus the student could use to measure the time taken for the oil to flow through the funnel.

(1)

(b) The two thermometers shown below are available.



liquid-in-glass thermometer

digital thermometer

He chooses to use the digital thermometer.

Justify his choice.

(2)



(Total for Question 1 = 9 marks)