(2)

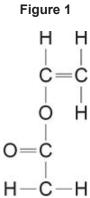
All questions are for separate science students only

Q1.

This question is about monomers and polymers.

Compound A has an alkene functional group and an ester functional group.

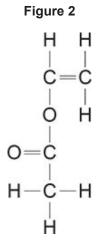
Figure 1 represents a molecule of compound A.



(a	1)	Draw a	circle	around	the	alkene	functional	group	on Figur	e 1.
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(b) Describe what will be seen when compound **A** is shaken with bromine water.

(c) Figure 2 is a repeat of Figure 1.



Draw a circle around the ester functional group on Figure 2. (chemistry only)

(1)

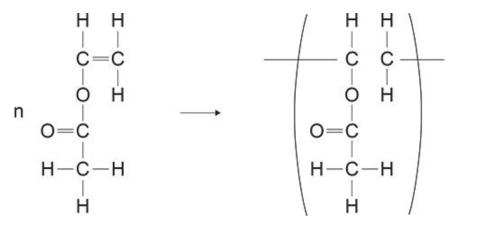
(d) Compound A has the formula C₄H₆O₂

Compound A is flammable.

Write a balanced equation for the complete combustion of compound **A**. (chemistry only)

(e) Many molecules of compound **A** join together to form polymer **B**.

Complete the displayed formula equation which represents this reaction. (chemistry only)



(2)

what type of polymer is polymer	
Tick (✓) one box.	
Addition polymer	
Condensation polymer	
DNA	
Protein	
ner B is a polymer which melts w	when heated.
	when heated. bolymers which melt when heated? (chemistry only)
What word is used to describe p	
What word is used to describe p	oolymers which melt when heated? (chemistry only)
What word is used to describe p	oolymers which melt when heated? (chemistry only)
	oolymers which melt when heated? (chemistry only)