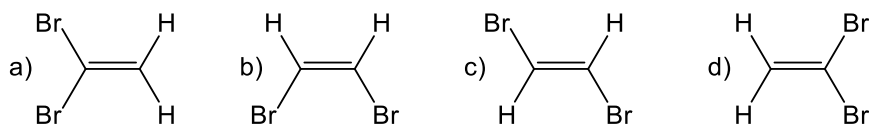
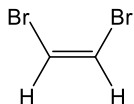
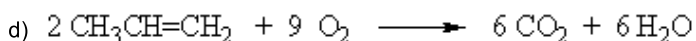
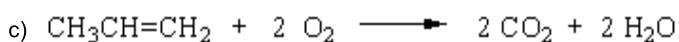
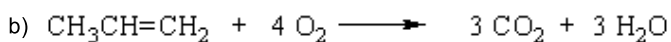
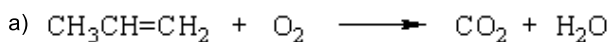
 Engineering • Technology • Creativity Faculty of Industrial Sciences & Technology	SUBJECT: Organic Chemistry		MARKS: 10
	CODE: BSK 1103	TOPIC: Chapter 1 (Alkenes)	
	ASSESSMENT: Exercise	NO: 2	DURATION: 10 MIN
NAME:		STUDENT ID:	SECTION:

Q1. Which of the following is a geometric isomer of the given molecule?

(1 Mark)

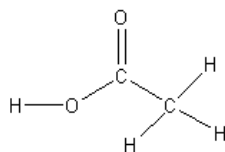


Q2. Alkenes can undergo complete combustion just like alkanes. Which of the reactions below is the balanced reaction for the complete combustion of propene? (1 Mark)



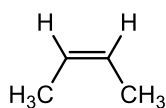
Q3. Can the given molecule have *cis*-/*trans*- isomers? (1 Mark)

(1 Mark)



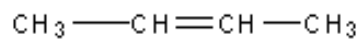
- a) Yes, because it contains a double bond
- b) Yes, because the oxygen is only bonded to the carbon atom.
- c) No, because it contains a double bond.
- d) No, because the oxygen is only bonded to the carbon atom

Q4. Based on your knowledge of *cis*- and *trans*-, what would the alkene shown below be? (1 Mark)



- a) trans
- b) cis
- c) This alkene is neither *cis*- nor *trans*-.
- d) This molecule is not an alkene.

Q5. Using your knowledge of alkane nomenclature, what do you think the correct name for the alkene below would be? (1 Mark)

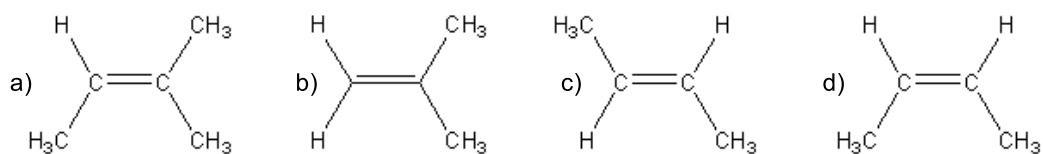


- a) Butane b) Butene c) 2-Butene d) 1-Butene

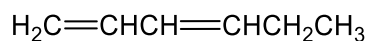
Q6. The hydration of propene would produce which of the alcohols shown below? (1 Mark)

- a) $\text{CH}_3\text{CH}_2\text{CH}_2\text{OH}$ b) $\text{CH}_3\text{CH}_2\text{OH}$
c) $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}$ d) $\text{CH}_3\text{CH}(\text{OH})\text{CH}_3$

Q7. Which of the alkenes below is cis-2-butene? (1 Mark)



Q8. What is the name for this compound? (1 Mark)



- a) 1,3-dihexene
b) 1,3-hexadiene
c) 1-2,3-4-hexdiene
d) 3,5-hexadiene