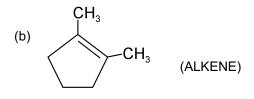
## **Organic Chemistry Practice Quiz 2 ANSWERS**

- 1. (a) BUT-1-ENE (ALKENE)
  - (b) 3-ETHYLPENT-1-YNE (ALKYNE)
  - (c) 4,5-DIMETHYLHEX-2-ENE (ALKENE)
- 2. (a) CH CH (ALKYNE)



(c) 
$$CH_3CH = CHCH = CHCH = CHCH_2CH_3$$
 (ALKENE)

3. (a) 
$$CH_3CH = CHCH_3 + Br_2 \rightarrow CH_3CHCHCH_3$$
  
Br

(b) 
$$CH_{3}C = CH_{2} + H_{2}O \xrightarrow{\text{dilute}}_{H_{2}SO_{4}} CH_{3}C = CH_{3} + CH_{3}CHCH_{2}OH OH \text{major product}}$$

(c) 
$$CH_2 = CH_2 + H_2 \xrightarrow{\text{catalyst}}_{\Delta} CH_3 CH_3$$