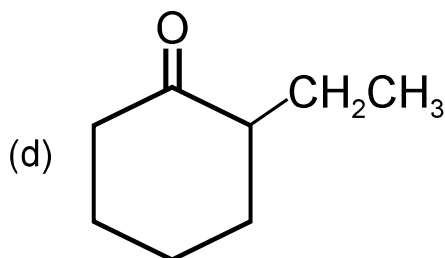
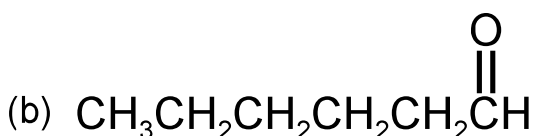
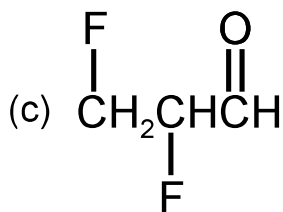
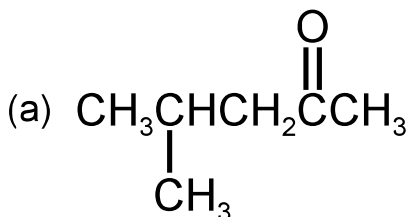


## PRACTICE

### Organic Chemistry Lesson 5: Aldehydes and Ketones

1. Name the following compounds.



2. Draw the structure for each of the following compounds.

- (a) 3-methylpentanal
- (b) hexan-2-one
- (c) 2-hydroxyheptan-3-one
- (d) butanal

3. Write the structural equation for each of the following reactions. Include any special conditions. Name the product of each reaction.

- (a) controlled oxidation of butan-2-ol
- (b) hydrogenation of ethanal

4. The following compounds are better known by their nonsystematic names. For each compound, draw the structure and find the common nonsystematic name. You should commit these common names to memory.

- (a) methanal
- (b) ethanal
- (c) propan-2-one