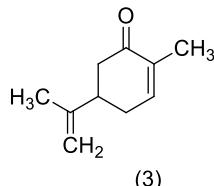
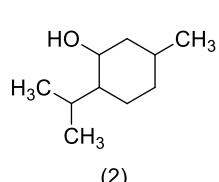
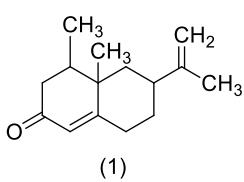


第三次作业答案

P82

7. 下列化合物，各含有几个手性碳原子？

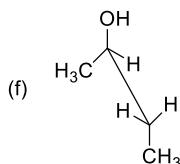
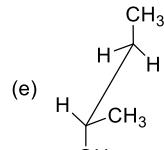
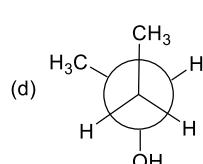
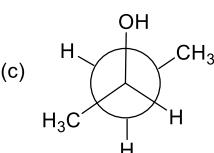
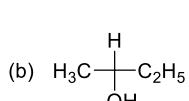
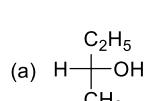


解答：

(1) 3个； (2) 3个； (3) 1个。

9. (1) 指出

(2) 在下列各构型式中哪些是与(1)中化合物的构型相同？哪些是它的对映体？

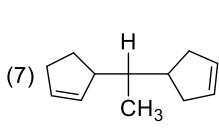
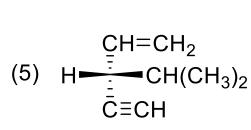
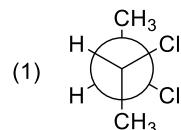


解答：

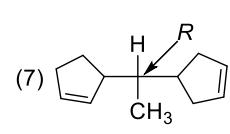
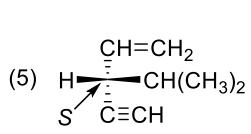
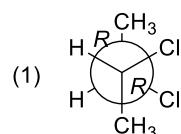
(1) 为 S 构型；

(2) 首先判断出各式的构型，式(a)~(f)的构型分别为：(a) R；(b) S；(c) S；(d) S；(e) S；(f) R。因此，(b)、(c)、(d)、(e)与(1)中化合物的构型相同，而(a)和(f)是(1)中化合物的对映体。

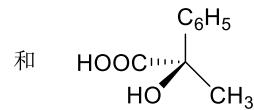
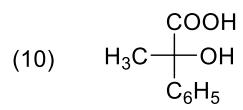
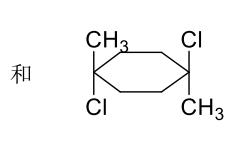
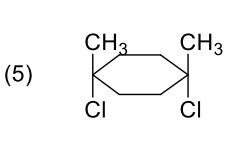
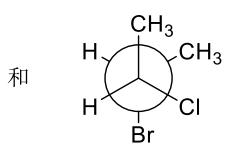
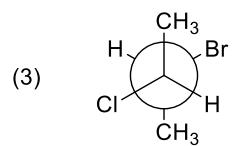
11. 用 R/S 法标记下列化合物中手性碳原子的构型。



解答：



12. 下列各对化合物哪些属于对映体、非对映体、顺反异构体、构造异构体或同一化合物。



解答:

(3) 对映体

(5) 顺反异构体

(10) 相同化合物