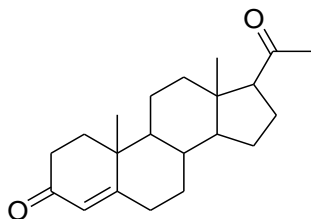


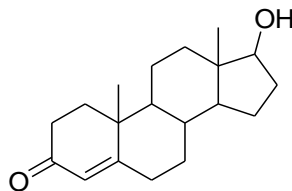
Name: _____

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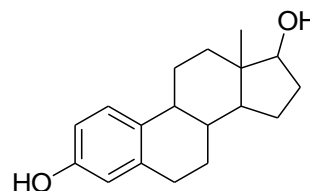
3. Consider the steroid structures shown below. Would any of these structures give a positive Lieberman-Burchard test? Briefly explain.



Progesterone



Testosterone



Estradiol

4. Cholesterol is an alcohol that can dehydrate to form a carbon-carbon double bond. Draw the structure cholesterol forms upon dehydration. Would this dehydration compound give a positive Lieberman-Burchard test? Briefly explain.