

CH1010

Tutorial 6

Name:

1. Draw the structure of **Cortisol**. Identify the rings (A –D). Identify any chiral centers in the molecule using asterisk(s).
2. **Steroids** are widely used as performance enhancing drugs. Using an example explain what a steroid is and why they are useful as performance enhancing substances.
3. Draw the structure of a **tristearin**, indicating the triol and fatty acid components. Indicate the ester linkages.

4. Sketch the general structure of a **cellular membrane** indicating where the lipid and protein components are to be found.
- What function do proteins have in cellular membranes.

5. What is **active transport** across a plasma membrane, provide an example to support your answer.