Name: _____

Chemistry 114, Problems Set 3

Due beginning of class on Wednesday April 4, 2007

1. Compare and contrast facilitated diffusion and passive diffusion, with respect to whether or not protein is involved, and whether a concentration gradient is built up or destroyed.

2. Compare and contrast facilitated diffusion and active transport, with respect to whether or not protein is involved, and whether a concentration gradient is built up or destroyed.

3. A person eats a “big mac” which contains 45 g carbohydrate, 25 g protein, and 29 g of fat. How many Calories is this? Show your work, because I do know you can find the Calories on the web.