Assignment 3

The due date for submitting this assignment has passed.

Due on 2021-10-26, 23:59 GMT

Week 1

1. Chyme in a stomach at rate of 1200 ml/minute when the substrate concentration is 0.5 M. We know k=1.1 x 10^-1 M^-1 and total enzyme concentration is 7.6 x 10^-4 M. How long does enzyme takes to act on one mole of the substrate?

2. A basketball team has 15 players. If 3 players are chosen at random, what is the probability that 2 are forwards? (Assume there are 7 forwards and 8 guards on the team.)

Week 2

1. Which one of the following is a synonym of the word “grapefruit”?
   a) Mandarin
   b) Lemon
   c) Orange
   d) Tangerine

2. A rectangular field has a length of 120 meters and a width of 70 meters. What is the area of the field?

Week 3

1. What is the chemical formula for water?
2. What is the chemical formula for carbon dioxide?
3. What is the chemical formula for calcium oxide?

Week 4

1. What is the chemical formula for hydrochloric acid?
2. What is the chemical formula for sulfuric acid?
3. What is the chemical formula for nitric acid?

Week 5

1. What is the chemical formula for hydrogen chloride?
2. What is the chemical formula for chlorine gas?
3. What is the chemical formula for sulfur dioxide?