

Useful Information

1 m = 1.094 yards

1 mile = 1760 yards

1 mile = 5280 feet

**Physiological Chemistry I
Unit Conversion Problems**

Perform the following conversions: Be sure to show all of your conversion factors.

1. 35.2 miles to km

2. 675 lb to kg

3. 4.00 gallons to liters

4. 100 km to miles

5. 88 ft/sec to mi/hr

6. A particular drug has a dosage of 4.5 mg/kg of body weight. How many mg of the drug would you administer to a 300 g rat?

7. A particular drug has a dosage of 5.0 mg/mL. How many mL would you administer to a patient if they needed to receive only 1.5 mg of the drug?