

Section 3.8: Additional Problems

1. You need to perform an experiment that requires 5.75 grams of Chemical-ABC. Since the half-life is so short, 8 hours, you must order the chemical from a supplier. The supplier guarantees that you will receive the delivery in no more than 2 days. How many grams of Chemical-ABC should you order so that you have enough to perform the experiment? Assume that you perform the experiment right when the shipment arrives.