Worksheet 3

Name Class Date

Students only need one **set of instructions –** but multiple **sets** are included to reduce printing costs.

Dynamic Equilibrium

Complete the following sentences about reversible reactions by selecting the correct word from the ones in bold. Circle the correct answer.

In a reversible reaction the products can reform the original **products / reactants**. At the start:

* the forward reaction happens **gradually / quickly** and gets slower over time
* the reverse or backward reaction does not happen, but it gets **faster / slower** in time.

At a certain point, the forward and the reverse reactions occur at the **different / same / various** speed. At this point **dynamic / static / thermal** equilibrium has been achieved. At equilibrium the forward and **dynamic / reverse / sideway** reactions are in balance. After this point the **mixture / proportions** of reactant and product in the mixture stays the same. It is a dynamic **change / equilibrium / reaction** because the forward and reverse reactions are still **completed / ongoing**.

Dynamic equilibrium can only occur in a **closed / open** system. This is a system where substances cannot enter or **join / leave** the container where the reaction is taking place.

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