Name: Date: Class:

Anticipatory Set: What Do You Know About Water, Pollution, & Engineering? Answer Key

Directions: Before the activity, read each statement carefully. Circle whether you AGREE or DISAGREE with each statement based on what you currently know. After the activity, revisit the statements and circle your new answer.

Statement #	Correct Answer	Reasoning
1	Agree	Many filters remove particles but not dissolved ions or chemicals.
2	Disagree	Acid rain is strongly linked to human-caused air pollution.
3	Agree	Hard water contains dissolved minerals like calcium and magnesium.
4	Agree	Air pollution can lead to acid rain and polluted runoff.
5	Disagree	Clear water can still contain harmful dissolved substances.
6	Agree	Engineering involves designing, testing, and improving solutions.
7	Disagree	Many filters work using gravity and material properties, not electricity.
8	Agree	Taste or color changes can indicate chemical or metal contamination.