Written Assessment – Chapter 3

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Critical Thinking

1. Scientists want to predict solar winds in Earth's atmosphere, because strong solar winds can disrupt radio and telephone communications, damage orbiting satellites, and cause electrical blackouts.

Online Research

2. Student answers will vary based on their research, but answers should include that the goal of the reactor was/is to achieve fusion energy and that scientists are challenged by stability when studying plasma.

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Understanding Concepts

3. Ballast tanks control submarine depth by filling with water to dive and filling with air to surface.

Critical Thinking

4. Student answers may vary but should explain that wood is more buoyant than metal.