Written Assessment – Chapter 12

Page 411

Understanding Concepts

1. Black holes have great mass. The greater the mass, the greater the gravitational forces.

Critical Thinking

2. Student answers will vary, but should include some explanation of how scientists could use the features of black holes or their formation in order to detect or locate the black holes.

Pages 426-427

Understanding Concepts

1. Student answers will vary, but must include explanations of how physics plays an important role in two of the careers listed (light designer, architect, fab technician, robotics engineer, windsmith, and video game programmer).

Critical Thinking

2. Architects would calculate a material's resistivity in order to decide what materials to use in the design of a building.