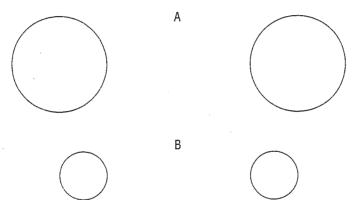
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Skills Worksheet			AT
Consent Devices			

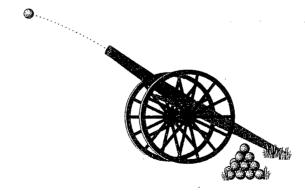
## **Concept Review**

## **Section: Gravity**

- 1. Explain why free-fall acceleration can be regarded as a constant for objects falling within a few hundred miles of Earth's surface.
- **2. Identify** which pair of objects would have greater gravitational force between them in the examples below. Use the law of universal gravitation to explain your answers.



3. Predict the path of the cannon ball below. To do this, draw a line in the direction of the cannon ball's flight. Also draw and label the horizontal and vertical components of the cannon ball's projectile motion.



4. Calculate the mass in kg of an object that weighs 1225 N on Earth.