

Name \_\_\_\_\_

Date \_\_\_\_\_

**Directions:** As a part of active listening during the film, answer the following questions as completely as possible. Each question is worth 5 points each.

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1. What does NIST stand for?
2. What percent of business use the metric system of measurement?
3. By what percent was Eratosthenes's measurement of the earth's circumference off?
4. Why did the NIST move from Washington, DC to Gaithersburg, Maryland in the 1960s?
5. A jiffy is an actual unit of measurement for what?
6. What is the equation for speed?
7. What is the speed of sound?
8. How many estimated speeding citations are given out a year in the U.S.?
9. What can the world's most sensitive scales measure down to?
10. Who invented the first accurate system of measurement for Temperature?