Assessment Transparency Activity   The Nature of Science

Directions: *Carefully review the tables and answer the following questions.*

Time (s)	Approximate Speed (m/s)	Time (s)	Approximate Speed (m/s)
0	0	6	60
1	10	7	70
2	20	8	80
3	30	9	90
4	40	10	100
5	50	11	?

1. **The above data were collected during an experiment to find out the speed of an object dropped from a tall building. Which type of graph would be the best way to display this information?**
   A bar graph   C circle graph
   B pie graph   D line graph

2. **According to these data, about how fast would the object be dropping after 11 seconds?**
   F 90 m/s   H 110 m/s
   G 100 m/s   J 120 m/s

3. **An independent variable is the factor that affects the measure of the other variable. What independent variable could have been added to this experiment?**
   A time   C height
   B speed   D graph