Student's Name THINKING WITH SCIENCE Observation Quiz Lesson 15 (Acceleration)	·.
Lesson 15 (Acceleration)	
1. To accelerate means:	
A. to go ahead.	
B. to speed up.	
C. to stop.	
D. to continue.	
2. When you look at the data chart and (A=78, B=69, C=57), you know	

- cart went the following distances,
 - A. A went the farthest and C went the shortest distance.
 - B. A was heaviest.
 - C. C was lightest.
 - D. C was heaviest.
- 3. If a conclusion is refuted, it is:
 - A. supported..
 - B. not supported.
 - C. proved false.
 - D. proved true.
- 4. If a conclusion can be said to be supported and not refuted, it can be called:
 - A. reliable.
 - B. valid.
 - C. both of the above.
 - D. neither of the above.
- 5. In this experiment, the manipulated variable is:
 - A. weight
 - B. each sinker
 - C. distance
 - D. cargo A
- 6. Why do all of the sinkers have to be the same size?
 - A. Otherwise, there would not be a manipulated variable.
 - B. Otherwise, there would be two manipulated variables.
 - C. Otherwise, the cargoes would all go the same distance.
 - D. Otherwise, there would be no controlled variables.

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7. What is one of the primary reasons for scientific experimentation?

A. To determine the effects of the manipulated variable.

B. To determine the effects of a controlled variable.

C. To determine how weight affects travel.D. To determine how distance affects travel.

•	C. 18,000 miles. D. none of the above.
15 7	The first artificial satellite was launched in:
15.	A. 1930
	B. 1957
	C. 1962
	D. none of the above.
16.	The opposite force to gravity, that must be balanced with gravity in order for a
satel	lite to stay in orbit, is:
	A. centrifugal
	B. gravitational
	C. spinning
	D. air
17. V	Why couldn't Albert Einstein launch a satellite into orbit?
	A. He didn't know how.
	B. He didn't have a rocket that could go 18,000 miles per hour.
	C. He didn't know how to make a satellite.
	D. He didn't have a launch pad.
18. <i>A</i>	A law of physics states that "For every action, there an equal and opposite who
	A. action
	B reaction
	C. force
	D. gravity
19. V	Vithout computers, what couldn't we do?
	A. make the space shuttle land where we want it to land.
	B. Turn on the retrorockets of the shuttle at the correct time.
	C. Turn off the retrorockets of the shuttle at the correct time.
	D. all of the above.
20. I	f an independent truck driver is asked to haul a load of lumber, what is the fir
ques	tion he will ask the shipper?
	A. How heavy is the load?
	B. What is in the load?
	C. How fast do you want to get it to the destination? D. None of the above.

14. How deep is the atmosphere? A. 72 miles.

B. 63 miles.

Students's Name <u>A</u>	VSNER Key
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OBSERVATION QUIZ FOR "THINKING WITH SCIENCE"

Quiz Number ___

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6.	A	B	C	D	E
7.		В	C	D	E.
8.	A	В	©	D	E
9.	A	В	C	0	E
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