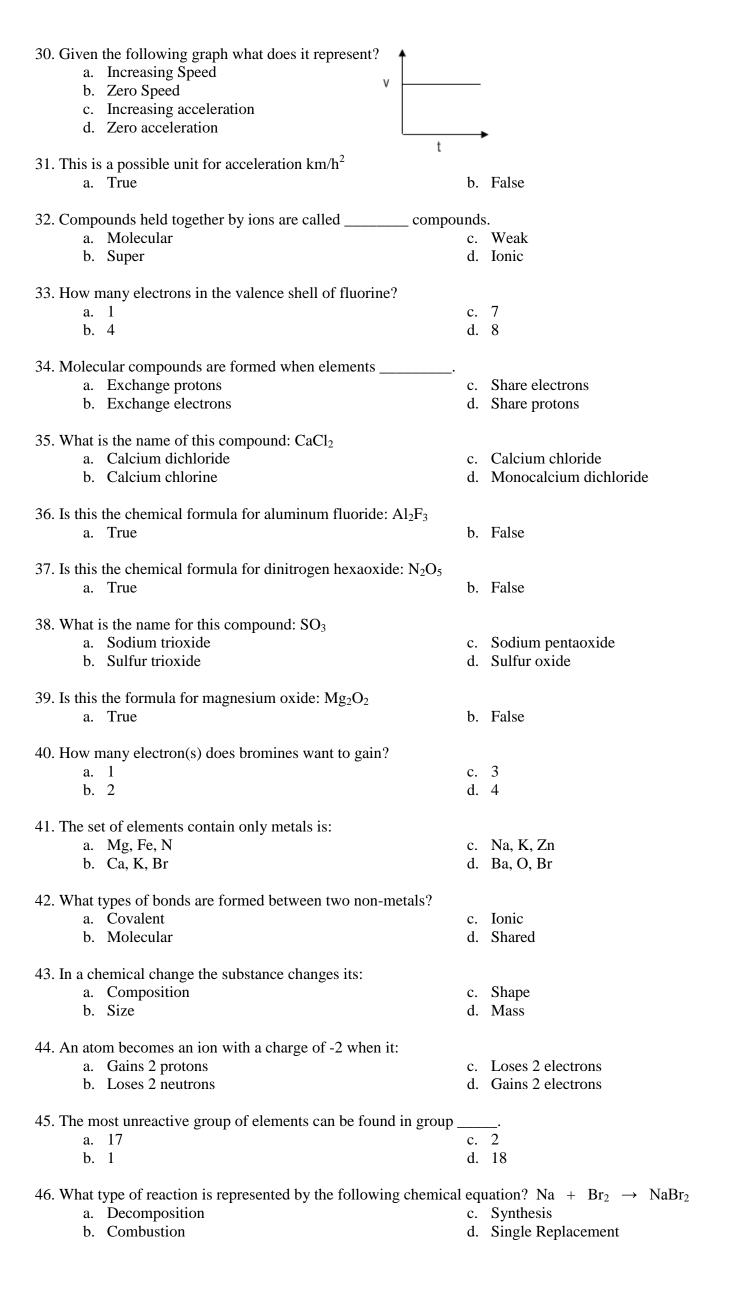
## Science 10 Exam Review Practice Multiple Choice

1.	a.	s the charge of an electron? Positive Negative	c.	Neutral				
2.	. What is the term for electricity that does not move?							
		Static Current		Kinetic Ionic				
3.	a.	oon is rubbed in human hair. How will the electrons be t Balloon to hair Hair to balloon		sferred? Electrons will not move				
4.		re Charges attract charges.						
		Positive Negative		Neutral Both positive and negative				
5.	When an object is charged without touching, it is said to be charged by:							
		Friction Contact		Induction Static				
	0.	Contact	u.	Same				
6. Electrons can move the easiest through which of the following materials?  a. Bread  c. Hair								
		Copper		Plastic				
7.		s the name for the material that does not allow electrons Insulator		easily travel through it? Terminator				
		Conductor		Ammeter				
8.		c potential is known as:						
		Current Resistance		Circuitry Voltage				
0	***			S				
9.		levice measures the electrical energy in a circuit?  Ammeter	C.	Voltmeter				
		Thermometer	d.	Ohmmeter				
10.		Which of the following measures the electric current in a circuit?						
		Ammeter Thermometer	c. d.	Voltmeter Ohmmeter				
			u.					
11.		cuit, what is another name for a light bulb?  Power source	C	Switch				
		Conductor		Load				
12	A botto	ary consists of two or more in series						
12.		ery consists of two or more in series.  Cells	c.	Ammeters				
	b.	Light bulbs	d.	Switches				
13. A circuit contains three light bulbs in series. Where should a switch be places to turn all the lights on off?								
	a.	Next to the first light bulb		Next to third light bulb				
	b.	Next to the second light bulb	d.	Anywhere in the circuit				
14. Two identical light bulbs are connected in series. How will the brightness of those lights change if ano identical bulb is added in series.								
	a.	Lights will get brighter	c.	Brightness will not change				
	b.	Lights will get dimmer						
15. Two identical light bulbs are connected in parallel. A third identical light is connected in parallel. Theoretically, how will the brightness of the original lights change?								
	a.	Lights will get brighter Lights will get dimmer	_	Brightness will not change				

_	Ohm's law, what is the current drawn from a 12V batter	y if	the circuit contains 5.5 Ohms of					
resista	nce ? 6.5A	C	0.46A					
	66A		2.18A					
	17. A 2.3A current is drawn from a 24V battery. What is the resistance in the circuit?							
	10.4 ohms 55.2 ohms		0.095 ohms 21.7 ohms					
υ.	55.2 Offins	u.	21.7 Olims					
	18. In 1997, <i>Thrust SSC</i> , the world's fastest jet-engine car, traveled 608m at an average speed of 350m/s. The length of time it took in <i>minutes</i> was:							
	104.4		0.0096					
b.	1.7	d.	0.028					
19 The ar	ea under a velocity-time graph represents?							
	Slope	c.	Time					
b.	Distance	d.	Acceleration					
20 01								
	the following number: 234506 which of the following is		•					
	234 000 235 000		234 23500					
υ.	233 000	u.	23300					
21. An obj	ect travels equal amounts of distance in equal amounts of	of ti	me. This is an example of					
a.	Average acceleration	c.	Constant acceleration					
b.	Average speed	d.	Constant speed					
22 A con t	rayals 275 km in 2.5 hours. What is the average speed	of th	20 20 20					
	ravels 275 km in 3.5 hours. What is the average speed of 78.6 km/h		0.013km/h					
	271.5km/h		962.5km/h					
	nuch time does it take a car driving 32m/s to drive 272m							
	8704s		8.5s					
b.	0.12s	d.	240s					
24. A cart speed?	rolls down a hill and accelerates at 3.5m/s <sup>2</sup> for 8.0s. If t	he i	nitial speed was 3.0m/s what is its final					
-	35m/s	c.	25m/s					
b.	28m/s	d.	31m/s					
25. What is the acceleration of an object that goes from 15m/s to 62m/s in 11.8s? (note that all the answers have the unit m/s²)?								
	6.5		20.2					
b.	4.0	d.	63					
26. What was the initial speed of an object that accelerated at 5.5m/s <sup>2</sup> for 25 seconds to reach a final speed of 185m/s?								
	47.5m/s		0.0 m/s					
b.	322m/s	d.	1.3m/s					
27. How m	convergence of the results of from 12m/s to	12	$a/a$ under an acceleration of 5 $\Omega$ m/ $a^2\Omega$					
	nany seconds are required for a car to go from 12m/s to 4 0.17s		6.0s					
	11s		150s					
a. b. c.	erage speed and the instantaneous speed will be the sam an average speed taken at the bottom of an incline as a instantaneous speed taken when he reaches the top of the any point as a leaf is falling from a tree to the ground a car traveling at 80km/h	skat ne ir	reboarder travels up the incline and the					
<ul><li>d. a car traveling at 60km/h and then speeding up to 80 km/h</li><li>29. Using the precision rule what would be the correct answer to the following question:</li></ul>								
	5.55 m + 12.8 m - 6.565 m							
	11.785 11.79		11.8 11.7					



47. Which of the following is a product in all combustion reactions?										
a.	Hydrogen	c.	Carbon dioxide							
b.	Carbon	d.	Carbon monoxide							

- 48. What type of reaction is represented by the following chemical equation?  $Ca_3(PO_4)_2 \rightarrow Ca + PO_4$ 
  - a. Synthesis

c. Single replacement

b. Decomposition

- d. Double replacement
- 49. Which of the following is in the orbit around the nucleus:
  - a. Protons

c. Electrons

- b. Neutrons
- 50. Which one of the following in an example of a change of state?
  - a. Salt is dissolved in water
  - b. An ice cube melts

  - c. An ice cube is broken into many piecesd. Sodium and chlorine combine to produce table salt