Video Worksheet: The Science of Static Electricity CONCEPTUAL PHYSICS: UNIT 6			
<b>Directions</b> : Answer the following questions while watching YouTube video "The Science of Static Electricity". <a href="https://www.youtube.com/watch?v=yc2-363MIQs">https://www.youtube.com/watch?v=yc2-363MIQs</a>			
1. All matter is made up of that consists of <b>3 smaller particles</b> :			
1)			
2)			
3)			
2. Why is most matter we come into contact with <b>electrically neutral</b> ?			
3. What does it mean when there is a "charge imbalance"?			
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4. When a newly charged body comes into contact with another material which charge actually moves?	a particle		
5. What is the "neutral charge equilibrium"?			
6. What is the quick movement of electrons called?			

Name \_\_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

7. Conductors like	and	tend to have
loosely bound electrons.		
8. <b>Insulators</b> like bound electrons that won't readily jump to of	and ther atoms.	_ have tightly
9. When is <b>static buildup</b> most likely to occ	eur?	
10. When you shuffle your feet on carpet is y	your body <u>gaining</u> or <u>losing</u> <b>electrons</b> ?	
11. What happens when you have a <b>charge</b>	e separation in <u>clouds</u> ?	
12. When is the charge imbalance <b>neutraliz</b>	<b>zed</b> in a charged <u>cloud</u> ?	
13. Can <b>lightning</b> strike in the same spot?		