

## MOVIE WORKSHEET

1. What is the arrangement and number of smaller particles of an atom?  
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2. What are the subatomic particles? (3pts)
  - 1) \_\_\_\_\_
  - 2) \_\_\_\_\_
  - 3) \_\_\_\_\_
3. What is the center of the atom called?  
\_\_\_\_\_
4. How much of the atom's weight is located in the center?  
\_\_\_\_\_
5. What are the positively charged particles in the nucleus?  
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6. What units are used to measure the weight of a sub atomic particle?  
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7. How much does a proton weigh?  
\_\_\_\_\_
8. What are the neutral particles in the nucleus?  
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9. How much does a neutron weigh?  
\_\_\_\_\_
10. How much of the space of an atom does the nucleus take up?  
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11. What makes one atom different from another?  
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12. What is the number of protons in an atom called?  
\_\_\_\_\_
13. What other sub atomic particle does the atomic number tell you the atom has?  
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14. What is the sum weight of the protons and neutrons in an atom?  
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15. What are atoms of the same element with different number of neutrons?  
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16. What are negatively charged particles that are a fraction of the size of protons and neutrons?  
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17. What is the mass of an electron?  
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18. What is the space in which fast moving electrons are likely to be found?  
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19. What states that chemical and physical properties of elements are periodic functions of their atomic numbers? \_\_\_\_\_
20. What is an abbreviated way of symbolizing an element using 1 or 2 letters?  
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21. What is a column in the periodic table called? How many are there? (2pts)  
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22. What is a row on the periodic table called? How many are there? (2pts)  
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23. How many known elements are there? \_\_\_\_\_
24. What is the ability to be shaped called?  
\_\_\_\_\_
25. What group of metals is highly reactive?  
\_\_\_\_\_
26. What metals are in the middle and are less reactive than the first two groups?  
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27. What are the elements to the right of the stair steps that have exactly the opposite properties of the metals called? \_\_\_\_\_
28. What is the last group (18) on the periodic table that includes neon called?  
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29. Elements that possess properties of both metals and nonmetals are called? (on the stair step)  
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30. What is an element that is somewhere between a conductor and an insulator?  
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