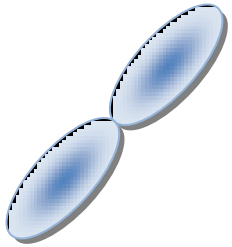
1.



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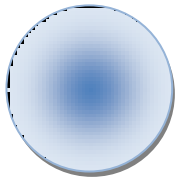

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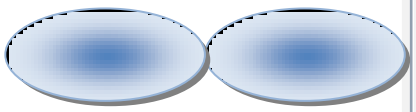
4.



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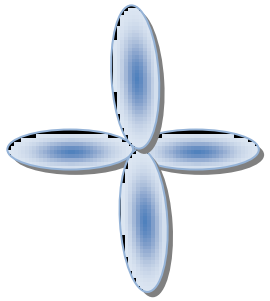
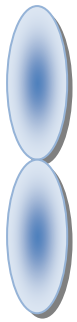


6.

7



8.

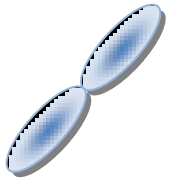
9.

10.

11.

12.

13.



14.

15.

Name_____ Period _____

1.	2.	3.	4.	5.
What is the name of this orbital? ___ What is the maximum number of electrons that could be contained in the following orbital(s)?_____	What is the name of this orbital? ___ What is the maximum number of electrons that could be contained in the following orbital(s)?_____	What is the name of this orbital? ___ What is the maximum number of electrons that could be contained in the following orbital(s)?_____	What is the name of this orbital? ___ What is the maximum number of electrons that could be contained in the following orbital(s)?_____	What is the name of this orbital? ___ What is the maximum number of electrons that could be contained in the following orbital(s)?_____
6.	7.	8.	9.	10.
What is the name of this orbital? ___ What is the maximum number of electrons that could be contained in the following orbital(s)?_____	What is the name of this orbital? ___ What is the maximum number of electrons that could be contained in the following orbital(s)?_____	What is the name of this orbital? ___ What is the maximum number of electrons that could be contained in the following orbital(s)?_____	What is the name of this orbital? ___ What is the maximum number of electrons that could be contained in the following orbital(s)?_____	What is the name of this orbital? ___ What is the maximum number of electrons that could be contained in the following orbital(s)?_____
11.	12.	13.	14.	15.
What is the name of this orbital? ___ What is the maximum number of electrons that could be contained in the following orbital(s)?_____	What is the name of this orbital? ___ What is the maximum number of electrons that could be contained in the following orbital(s)?_____	What is the name of this orbital? ___ What is the maximum number of electrons that could be contained in the following orbital(s)?_____	What is the name of this orbital? ___ What is the maximum number of electrons that could be contained in the following orbital(s)?_____	What is the name of this orbital? ___ What is the maximum number of electrons that could be contained in the following orbital(s)?_____

1s	**2s**	**1s2s**	**3s**	**4s**
5s	**$2p_x$**	**1s2s2p $_x$2p $_y$**	**$3p_x$**	**$3p_z$**
3d	**$4p_x$**	**$4p_y$**	**$4p_z$**	**$5p_x$**