

## Atoms: Orbital Diagrams: Quiz 2b

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Please show work where necessary!

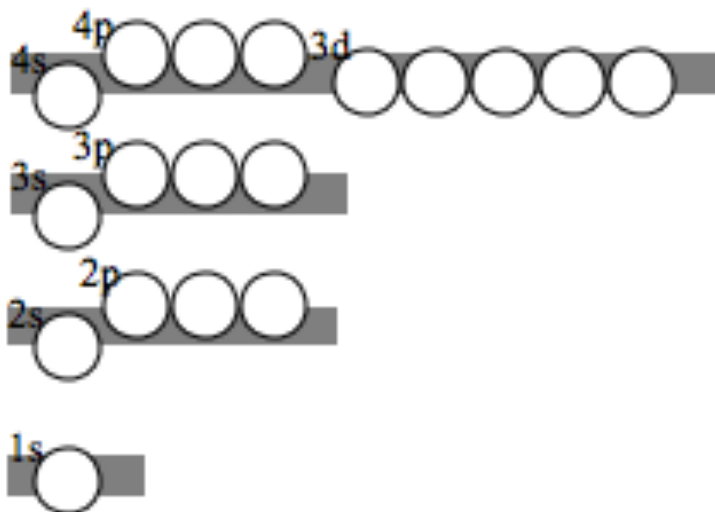
1. How many electrons can each of the following orbitals hold?

a. 3p = \_\_\_\_\_

b. 6d = \_\_\_\_\_

2. How many “p” orbitals can there be in any energy level? \_\_\_\_

3. Draw the orbitals below and then fill in the orbital diagram for the element **P**:



Answers:

1. How many electrons can each of the following orbitals hold?

a. 3p = 6 ✓

b. 6d = 10 ✓

2. How many “p” orbitals can there be in any energy level? 3 ✓

3. Draw the orbitals below and then fill in the orbital diagram for the element **P**:

