

Chemistry Lesson Plan

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| Topic | Structure and Properties of Matter |
| Lesson Title | Atoms and Molecules |
| Lesson Number | 1 |
| Next Generation Science Standards: | HS-PS1-1. Use the periodic table as a model to predict the relative properties of elements based on the patterns of electrons in the outermost energy level of atoms. |
| Learning objectives: | <ul style="list-style-type: none"> • Differentiate between atoms, molecules and compounds • Count the numbers of atoms in a molecule or compound |
| “I can” statement: | <ul style="list-style-type: none"> • I can describe the difference between atoms, molecules and compounds and count the number of atoms in a molecule/compound. |
| Prior Knowledge: | |
| <ul style="list-style-type: none"> • Basic structure of the atom • Chemical notation | |
| Vocabulary: | |
| Atom, element, molecule, compound, subatomic particles, electron shell, chemical bond, subscript, coefficient, chemical formula | |
| Summary of Activities: | |
| <ol style="list-style-type: none"> 1. Distribute and complete bell ringer activity. <i>Please note: as this is the first lesson in the topic this activity is aimed to access prior/background knowledge students may already possess.</i> 2. Discuss guided notes and slideshow, with students. 3. Vocabulary worksheet, 4. Exit quiz | |
| Additional Resources: | |
| <ul style="list-style-type: none"> • Atoms and molecules YouTube clip • Counting atoms YouTube clip | |
| Homework: | |
| Homework task | |
| Assessment: | |
| <ul style="list-style-type: none"> • Bell work • Assignment/Lab project • Exit quiz • End of unit review | |