**Atoms, Compounds, Molecules and pH Review Name:\_\_\_\_\_\_\_\_\_\_\_\_\_**

**1**. Go to **www.classzone.com** **2**. Select the correct Textbook in the **ClassZone Book Finder.**

**3**. Click on the **Animated Biology** option. **4**. Click on the **Chapter 2: Atoms and Bonding** option.

**5**. Read the instructions and learn how to use program.

\*Using the program construct 5 models of different atoms and complete the following table:

|  |  |  |  |
| --- | --- | --- | --- |
| **Element** | **Symbol** | **Atomic Number** | **Atomic Mass** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**6**. Click on the **Make a Covalent Bond** option.

\*When do covalent bonds form?

\*What are the *examples of molecules* formed with covalent bonds? Give name and formula for each example.

**7**. Complete the molecule forming activity.

\*Draw one of the *models of the molecules* with its labels on the back of the page.

**8**. Click on the **Make an Ionic Bond** option.

\*When do ionic bonds form?

\*What is the *example of ionic* compound that is given?

\*Draw the *model of the ionic compound* with its labels on the back of the page.

**pH**

**1**. Go to the following website and learn more about pH: **http://www.johnkyrk.com/pH.html**

**2**. Read about pH on the two first screens. **3**. Click on the **next** button to go to the next page. On the third page you will find an interactive pH scale.

**4**. Use the **slider** to find examples of substances with different a different pH reading.

**5.** On the back of the page make a pH scale and list of example substances. Name 2 substances/solutions from each pH. You should have a list of 24 different substances.