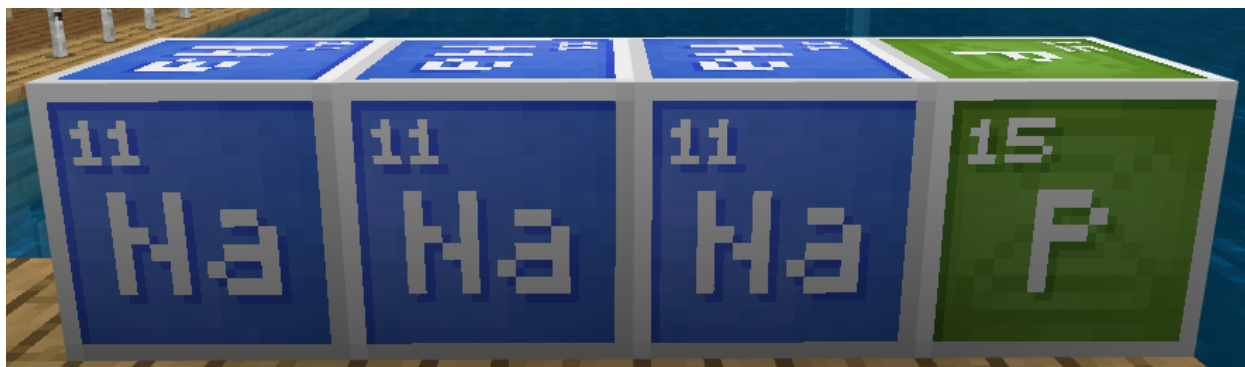


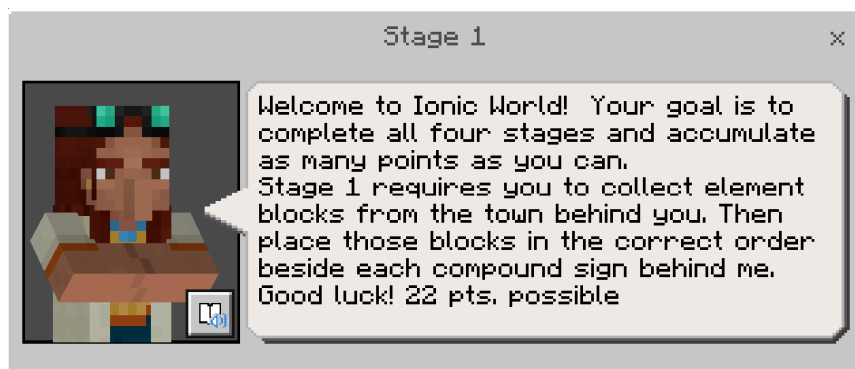
Ionic World
Chemistry Review
By Ben Spieldenner
Teacher Notes

Ionic World is a review game over elements and compounds. The game has four stages and requires students to know basic element information and compound equations. Students will collect points as they traverse each stage and these points will be used as a timer for the final stage.

*Note: the equations are determined by block. For example, sodium phosphide (Na_3P) would look like this in the Ionic World game:



Stage 1 (starting coordinates 1274, 63, 12)



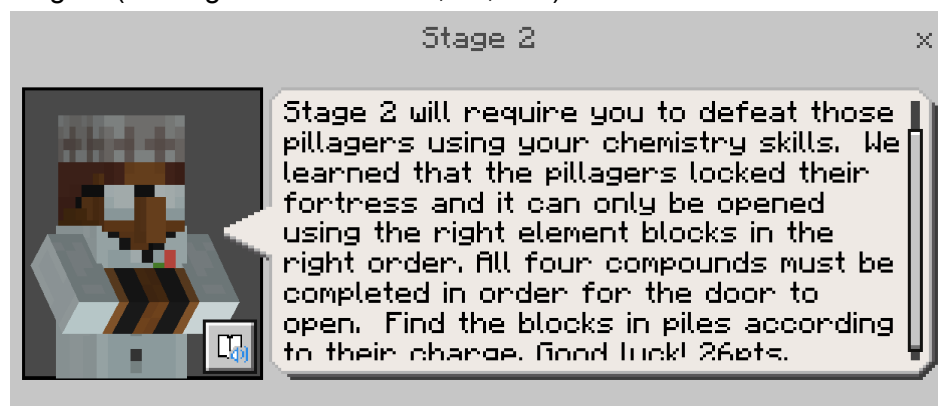
Students will be asked questions about the following elements:

- | | | |
|-----------|--------------|-------------|
| • Sodium | • Potassium | • Lithium |
| • Bromine | • Iodine | • Sulfur |
| | • Phosphorus | • Magnesium |
| | • Calcium | • Chlorine |
| | • Oxygen | • Fluorine |

Students will have to know the equation for the following compounds:

- | | |
|--------------------|----------------------|
| • Sodium bromide | • Calcium oxide |
| • Potassium iodide | • Lithium sulfide |
| • Sodium phosphide | • Calcium chloride |
| | • Magnesium chloride |
| | • Aluminum fluoride |

Stage 2 (starting coordinates 352, 64, 426)



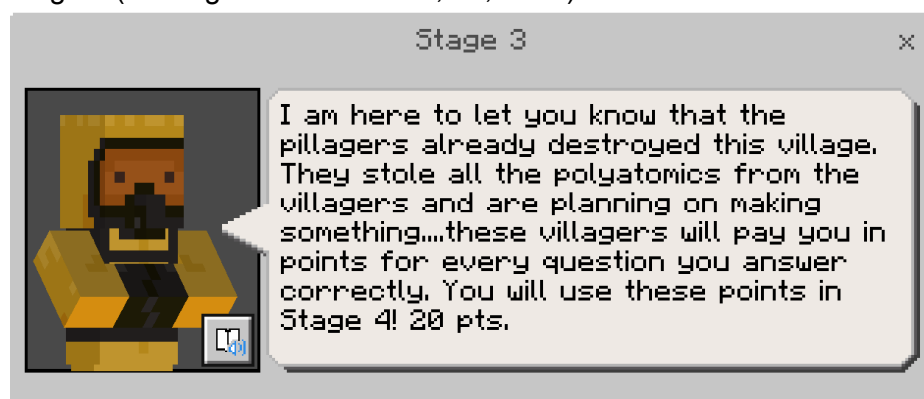
Students will need to know the charges of the following elements:

- Lithium
- Hydrogen
- Barium
- Iron
- Strontium
- Aluminum
- Lead
- Iodine
- Fluorine
- Sulfur
- Oxygen
- Nitrogen

Students will have to know the equation for the following compounds:

- Barium nitride
- Lithium sulfide
- Aluminum fluoride
- Hydrogen oxide
- Lead oxide
- Iron II nitride
- Strontium fluoride

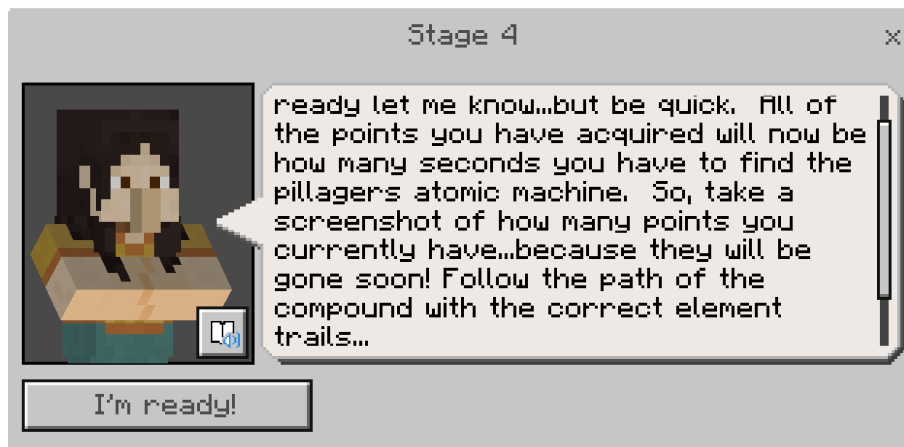
Stage 3 (starting coordinates 411, 63, 1041)



Students will need to know information about the following:

- Hydrochloric acid
- Sodium chloride
- Hydroxide
- Diamonds (elements that make it up)
- Chlorate
- Acetate
- Bicarbonate
- Ammonium

Stage 4 (starting coordinates -1446, 65, -434)



Stage 4 is a speed round. Students will choose the path (there are several), of the correct compound trail in order to get to the evil pillager machine in time to stop it. As soon as students press the "I'm ready!" button they will receive an extra 45 seconds (in addition to the points they have accumulated), the barrier block will be removed and the race begins. They will need to answer three questions at the end of the trail, before their time runs out, to stop the machine.

