She gave a second example where she helped the show runners accurately portray a meth synthesis reaction with 30 gallons of methylamine precursor. The P2P method was used for synthesis. To stay true to the illegal nature of character’s actions, she looked up illegal syntheses and gave the show runners a list of reduction methods to choose from.

They chose aluminum mercury because it was easy to say. Here Dr. Nelson noted that the priorities of chemists versus show creators differed; she would never have chosen a reagent based on its ease of pronunciation.

## Synthesis Reaction

A synthesis reaction occurs when two or more reactants combine to form a single product. This type of reaction is represented by the general equation: A + B → AB. • An example of a synthesis reaction is the combination of sodium (Na) and chlorine (Cl) to produce sodium chloride (NaCl).