

## i0: Define the Problem

A delivery vehicle is a man-made device that can be used to transport items. By rewatching the situation video and/or doing your own research on the internet, try and answer the questions below. Write your answers in your learning journals under the first Define section.



1. We know from the situation that a fire is spreading throughout the warehouse!
  - a. **What do you think could have been done to avoid the fire?**
  - b. **What do most buildings have to detect fires?**
  - c. **What thing do most buildings have to automatically put out a fire?**
  
2. We saw that there was an explosion when the firefighters tried to enter the warehouse.
  - a. **Why did this occur?**
  - b. **How could this have been avoided?**



3. We don't want to purposefully send human firefighters into highly dangerous situations (at least, more dangerous than normal fires).
  - a. **Should we just leave the fire alone? Why or why not?**
  - b. **If we can't send a human into the warehouse to put out the fire, what could we send instead?**