



EXERCISE SCENARIO

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- Presents the main event to the participants
- Realistic and plausible
- Designed to interrelate with the exercise objectives

EXAMPLE SCENARIO

- As students start to file into their classrooms, a 9th grade chemistry teacher begins setting up various chemicals on a lab table preparing to conduct demonstrations for his class
- His first experiment involves creating a small amount of methane gas by heating a mixture of powdered sodium acetate and soda-lime in a test tube

EXAMPLE SCENARIO

- The apparatus he is using consists of a Bunsen burner, test tube, bent delivery tube, and gas collecting tube
- After heating the mixture for several minutes, the teacher is unaware that the one hole stopper he is using is defective and methane gas is leaking from the tube

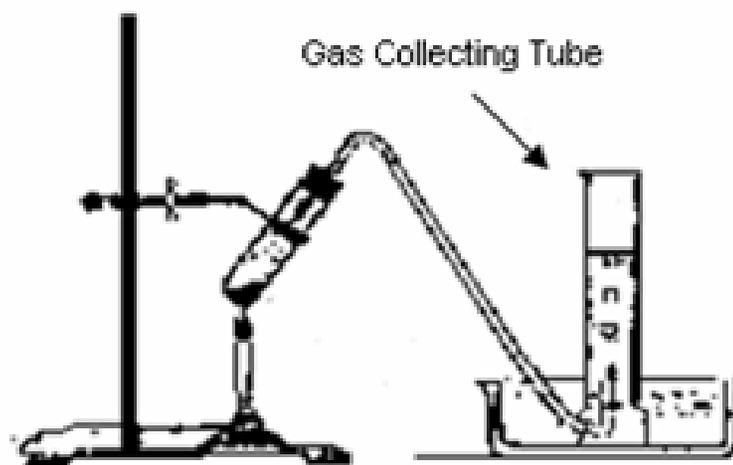


Fig-1 Experiment Apparatus

EXAMPLE SCENARIO

- As the teacher places a lighted match near the end of the gas collecting tube to ignite the methane the flash produced by igniting the additional gas startles him
- In his haste to back away from the lab table, he accidentally knocks over a 2.5l bottle of hydrochloric acid

EXAMPLE SCENARIO

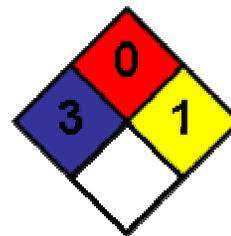
- The bottle rolls from the table and smashes to the floor splashing the clothing of several students sitting in the front row



- Almost immediately, fumes from the acid's reaction to the floor material quickly fill the classroom

EXAMPLE SCENARIO

- Panicking students begin to run into the hallway; many of them are coughing uncontrollably and screaming that their legs are burning
- A teacher in a nearby classroom hears the commotion, enters the hallway, and immediately detects a foul, irritating odor

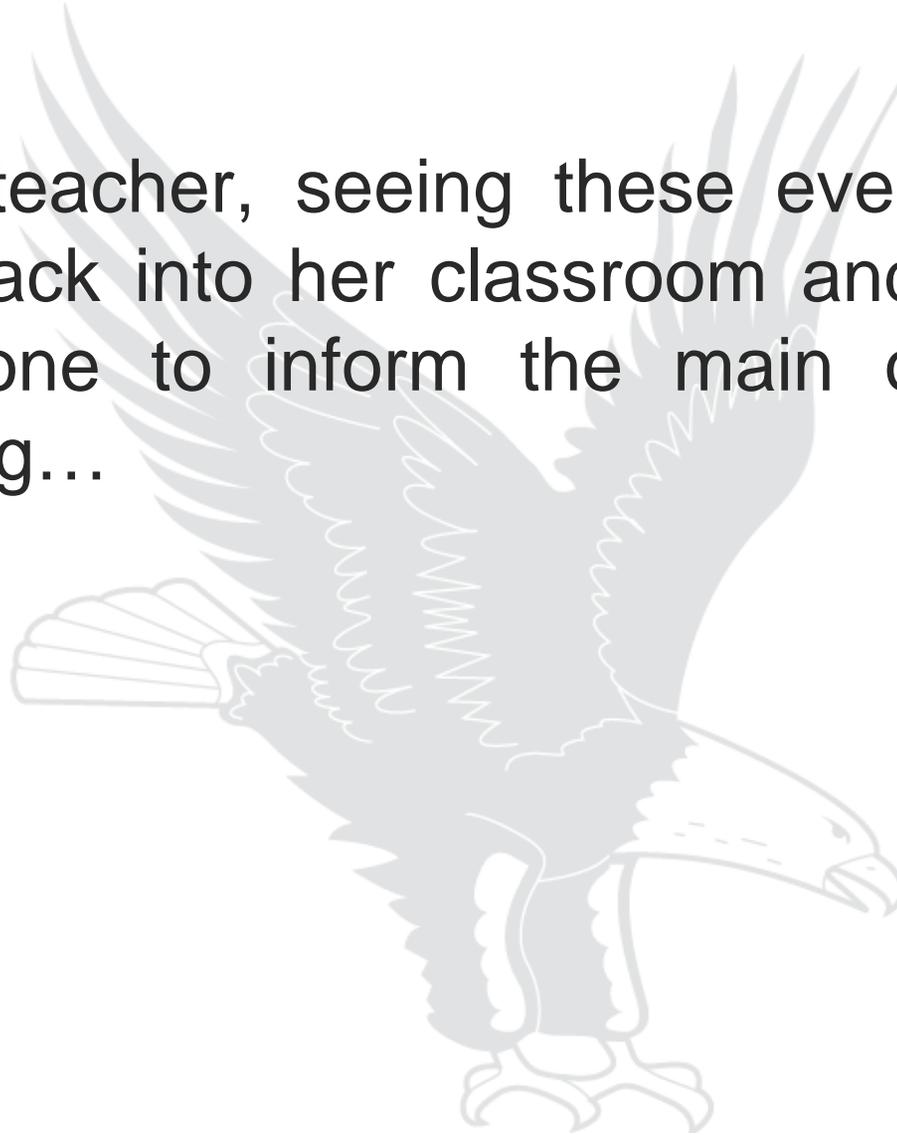


EXAMPLE SCENARIO

- As she moves toward the lab to investigate, she is knocked to the ground by a student
- Dazed, she looks up just in time to see a student stumble from the classroom, reach for the fire alarm pull station, and collapse to the floor before being able to activate the alarm

EXAMPLE SCENARIO

- Another teacher, seeing these events unfold, rushes back into her classroom and uses her desk phone to inform the main of what is happening...



QUESTIONS

