

Fire Module – Day 1

Name: _____

Exploratory Activity

Q: What is fire? What were some similarities between the Bunsen burner, candle and Magnesium strip?

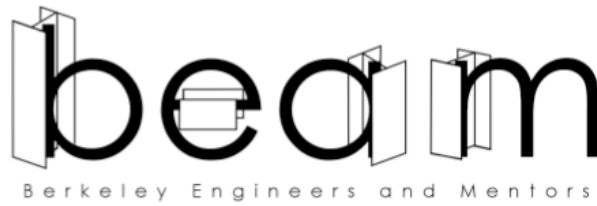
Q: Rank the three flames you saw from the hottest, to the coldest.

Chemical Reaction Module

Q: What were the reactants and products of the chemical reaction?

Q: Why is that we are able to “capture” the hydrogen gas?

Q: What happened when you inserted the dying match inside the beaker? Provide details.



Fire Module – Day 2

Name: _____

Diffusion vs. Premixed Flames Module

Q: What are some differences that you have noted between diffusion and premixed flames?

Q: Match the color you would more closely associate with each type of flame.

Diffusion Flame

Blue

Premixed Flame

Yellow

Q: What happened when you put the mesh on top of the flames? Make a drawing.

Fire Tornado Module

Q: Comment on your observations of the fire tornado. What is happening?

Q: What do you think is causing the tornado?

Conclusion

Q: What did you learn about fire? What did you learn that you previously didn't know?