

## Plasma Globe Activities

**1) Touch the Plasma Globe with your finger.** Describe what happens.

*Why does the streamer follow your finger?*

**2) Gently place your forearm on top of globe.** Describe what happens.

*Why is the streamer more concentrated?*

*Why does the globe get hot?*

**3) Place one finger on the Plasma Globe while at the same time placing one finger from your other hand very, very close to the cold water pipe?** Describe what happens.

You probably said "Ouch! That hurts!" @. *Does the teacher want to injure the students?*

*Is this activity safe?*

*What is the teacher most worried about when having students complete this activity?*

**4) Place your hand on the Plasma Globe. Use one finger from your other hand and touch your lab partners nose.** Describe what happens.

If they jump, that means that they are really charged up about plasma. Repeat step 4 fifty or more times. *Is your lab partner having as much fun as you are?*

**5) Bring a gas tube close to the plasma ball. Do not allow the metal to touch the glass.** Describe what happens?

*What dictates the color of the light given off by the bulb?*

Exchange your bulb with another group. Describe what happens.

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