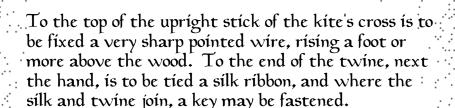
PhyzJob:	Name	Per Date:
Be Franklin For a Day!		
On the other side of this sheet there is	s an excerpt from a letter that	Benjamin Franklin wrote to a
colleague. It is important to note that I popular story goes), for he would not I	have written this letter if it ha	nd been. The letter describes
the details of Franklin's famous 1752 k following questions.	tite experiment. After reading	the passage, answer the
1. Did Franklin fly the kite before or danswer.	luring an electrical storm? Qu	ote the evidence for your
2. Did Franklin get wet during this exp	periment? Quote the evidence	for your answer.
3. Draw a complete, labeled diagram of	the kite experiment.	
4. Why did Franklin attach a wire to the	he kite?	
5 What was the purpose of the silk rib	ahon?	

- 3. What was the purpose of the silk fibbon?
- 6. Why did the loose filaments of the twine stand out every way?
- 7. What was the purpose of the key?

## KIDS—DON'T TRY THIS AT HOME!

Franklin took many precautions while performing the kite experiment. Still, it was an extremely dangerous experiment and he was very lucky not to have been seriously injured. In Europe, G.W. Richmann attempted to repeat the Franklin experiment. While doing so, a pale blue fireball about the size of a fist ("ball lightning") left the lightning rod in his lab, floated quietly to Richmann's face, and exploded with a pop. Richmann was left dead on the floor with a red spot on his forehead and two holes in the bottom of one of his shoes.



This kite is to be raised when a thunder gust appears to be coming on, and the person who holds the string must stand within a door or window or under some cover, so that the silk ribbon may not be wet; and care must be taken that the twine does not touch the frame of the door or window.

As soon as any of the thunder clouds come over the kite, the pointed wire will draw the electric fire from them, and the kite, with all the twine, will be electrified, and the loose filaments of the twine will stand out every way, and be attracted by an approaching finger. And when the rain has wet the kite and twine, so that it can conduct the electric fire freely, you will find it stream out plentifully from the key on the approach of your knuckle.

At the key the phial may be charged, and from electric fire thus obtained, spirits may be kindled, and all other electric experiments may be performed, which are usually done by the help of the rubbed globe or tube, and thereby the sameness of the electric matter with that of lightning completely demonstrated.

