

# BITE SUGAR (MISRI) AND PRODUCE A FLASH



Man has invented many ways of producing light. Lighting a fire to produce light is the oldest method. How many other methods of producing light can you think of? You may consult your friends if you like.

Are there more ways to produce light than those you have thought of? Yes, indeed! There are many more.

Let us produce light by a sweet method. Sweet method? Aren't you a little curious and surprised? To produce light by this method we

need a few lumps of sugar (*misri*), a mirror and pitch darkness. We need darkness because very feeble light is produced and it can be seen only for a moment. So, even if there is faint illumination in the room, you will not be able to see the light you produce and the whole point of the experiment will be lost.

What you have to do is this. Take a few large lumps of *misri* and the mirror and enter a dark room. Since there should be complete darkness for the experiment to be successful you can only do the experiment at night.

Stand in front of the mirror, open your mouth and crush the lump of sugar with your teeth. Be careful not to wet the lump with your saliva. What did you see? Did you see a faint flash of light reflected in the mirror when the sugar lump was crushed?

Isn't this extraordinary? If you don't have a sweet tooth and do not like to eat lumps of sugar, you can use a pair of kitchen tongs or pliers to crush the lump of *misri*.