

Label the parts of the Carbide Lamp

Around 1930 miners began using Carbide Lamps to light their way in the mines.

Acetylene gas is produced when water from the lamp's **water chamber** encounters the calcium carbide stored in the **carbide chamber** through the **valve stem**. The amount of water flowing into the calcium carbide chamber can be controlled, with more water producing more gas and a bigger flame when the lamp is lit. The gas is funneled by the **gas tube** to the burner, where it is lit by a match or a built-in **striker**. Once the flame is lit, a **reflector** allows the miner to control the direction of the light.

Miners' Carbide Lamps were not the only lamps that used Acetylene gas. Acetylene gas lamps were used to illuminate buildings, as lighthouse beacons, and as headlights on motor-cars and bicycles.

Use the six (6) highlighted words in the above paragraph to label your carbide lamp. You will see that some of the important parts of the carbide lamp are already labeled.

