

---

NAME:

---

1. What is a Flame Test?

2. What is a photon?

2. On a clear evening, take a look at the night sky around 7-8 pm. Look in the direction South (and up☺). The most prominent constellation you see is Orion, The Hunter (slightly South-South-West). Its left shoulder is marked by a RED supergiant star called *Betelgeuse*. Its right foot is marked by a BLUE supergiant star called *Rigel*. Now look strictly North (and up☺) and try to find *Polaris* – The North Star, which is a very bright YELLOW supergiant.

Can you tell which of these three stars is:

a. the HOTTEST?

b. the COLDEST?

