

## 11.21: Sample Spectral Types

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Trying to remember the Spectral Types in order? A couple of excellent – and time-proven mnemonics to assist you:

**O** h **B** e **A** **F** ine **G** irl/ **G** uy, **K** iss **M** e **O** h **B** oy, **A** n **F** **G** rade **K** ills **M** e

There are several other Spectral Types, like the carbon RNS stars (additional mnemonic is **R** ight **N** ow **S** weetheart) or the very low temperature L, T, and Y stars (additional mnemonic is **L** ove **T** o **Y** ou).

### O

#### Temperature Range

- >30,000 K

#### Color

- Blue-blue-white

#### Stellar Examples

- *Orion Belt Stars (3 stars)*

### B

#### Temperature Range

- 10,000-30,000 K

#### Color

- Blue-white

#### Stellar Examples

- *Rigel, Orion's shoulder star*

### A

#### Temperature Range

- 7,500-10,000 K

#### Color

- White

#### Stellar Examples

- *Sirius, the Dog Star in CMa*

### F

#### Temperature Range

- 6,000-7,500 K

#### Color

- Yellow

#### Stellar Examples

- *Polaris, North Pole Star*

### G

#### Temperature Range

- 5,000-6,000 K

## Color

>

- Deep Yellow

## Stellar Examples

- *Sun*

## K

## Temperature Range

- 3,500-5,000 K

## Color

>

- Orange

## Stellar Examples

>

- *Arcturus, bright star in Boötes*

## M

## Temperature Range

- ...3,500 K

## Color

- Red

## Stellar Examples

- *Betelgeuse, Orion's armpit*

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