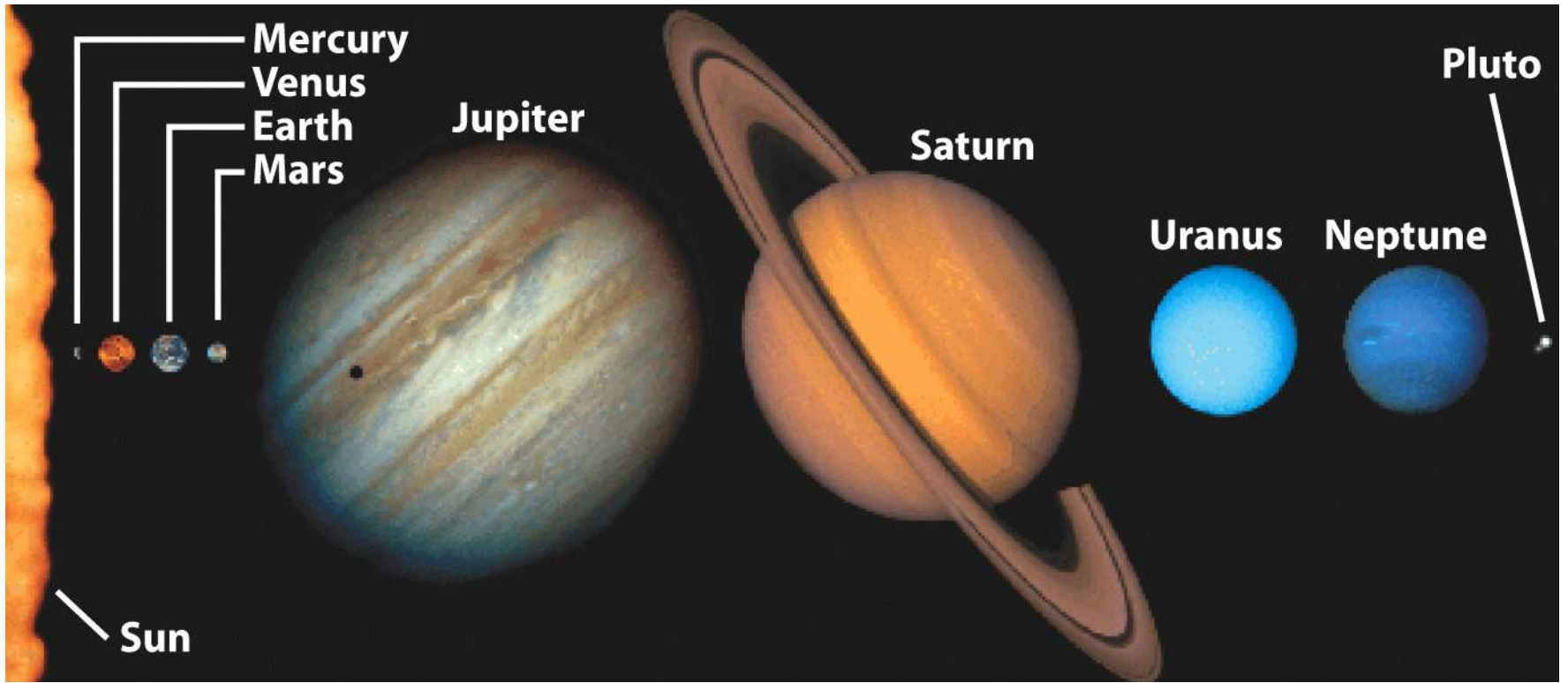


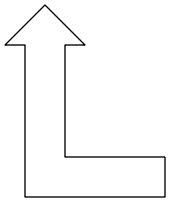
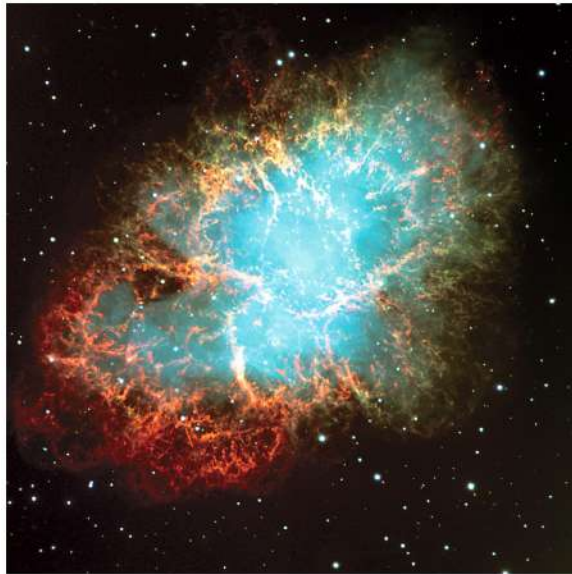
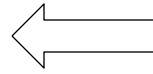
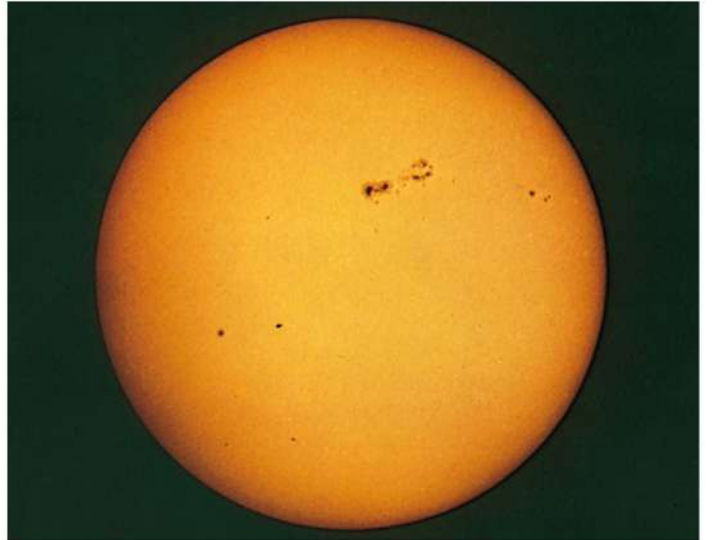
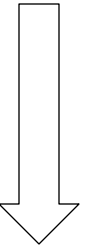
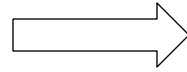
A night sky filled with stars, with a prominent bright blue star in the upper right. The foreground shows dark, jagged rock formations. The text "Astronomy and the Universe" is centered in a white serif font.

Astronomy and the Universe

Chapter One



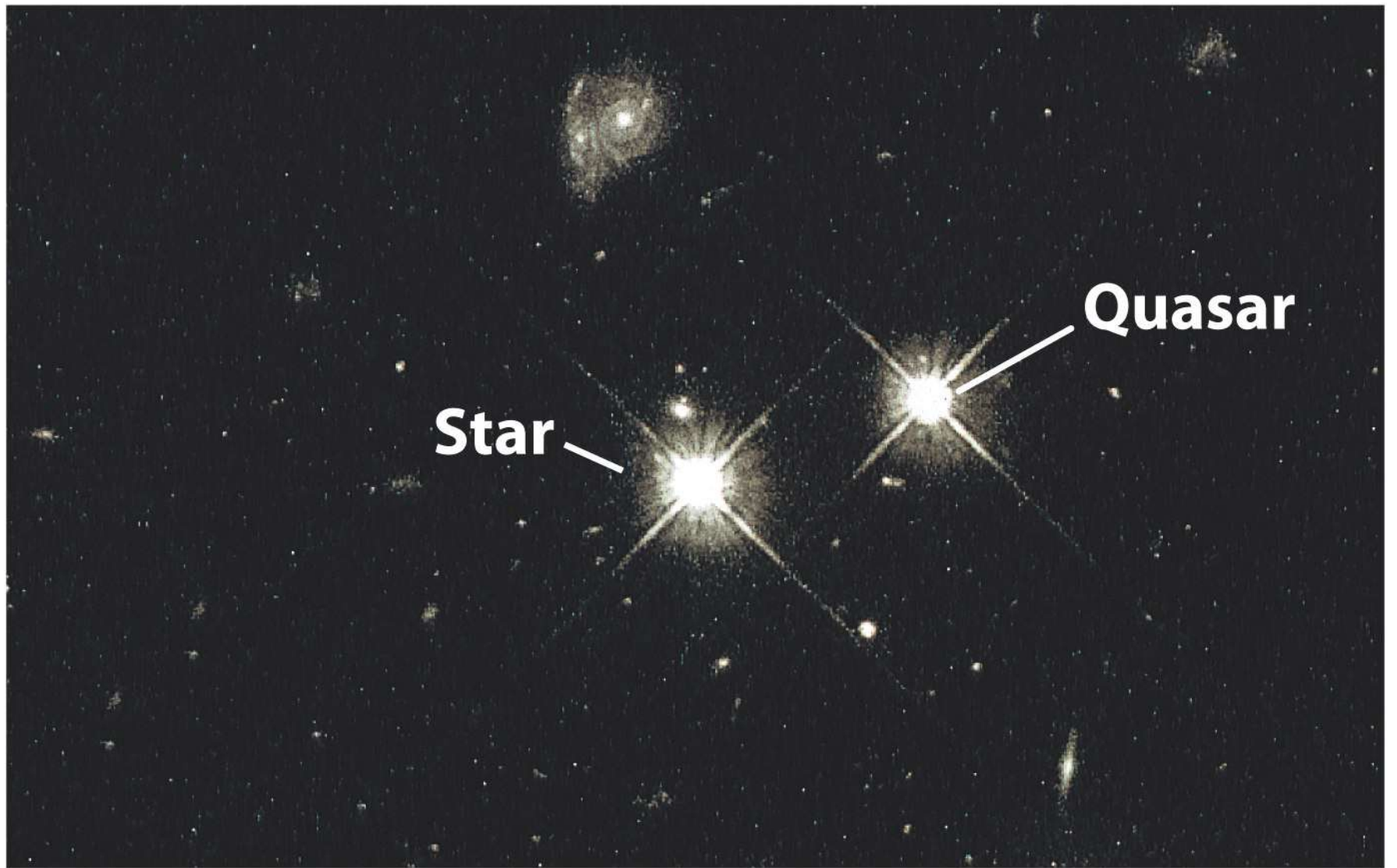


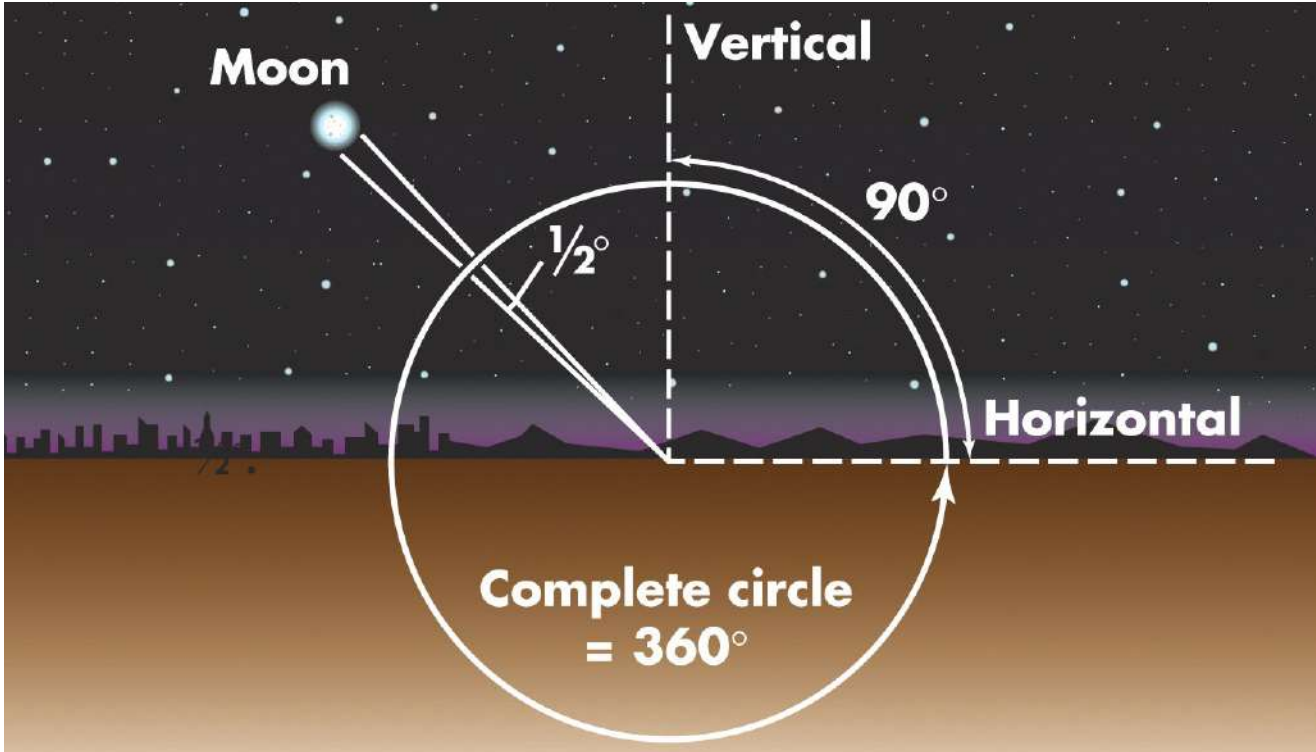


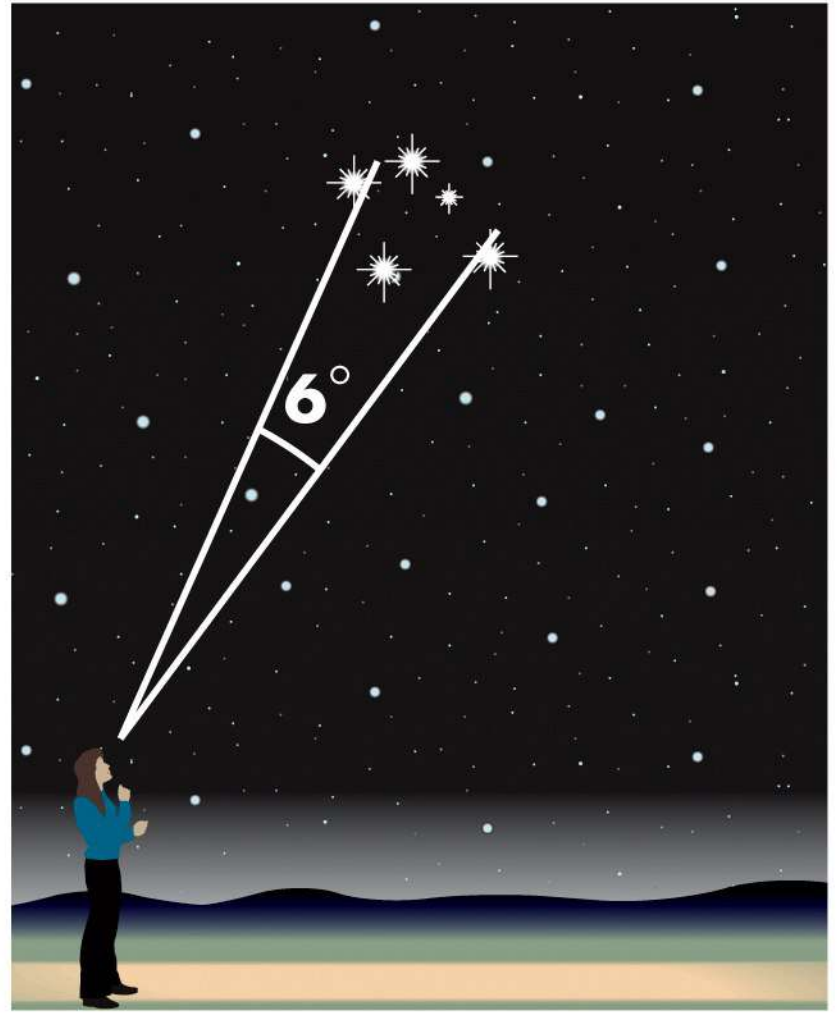


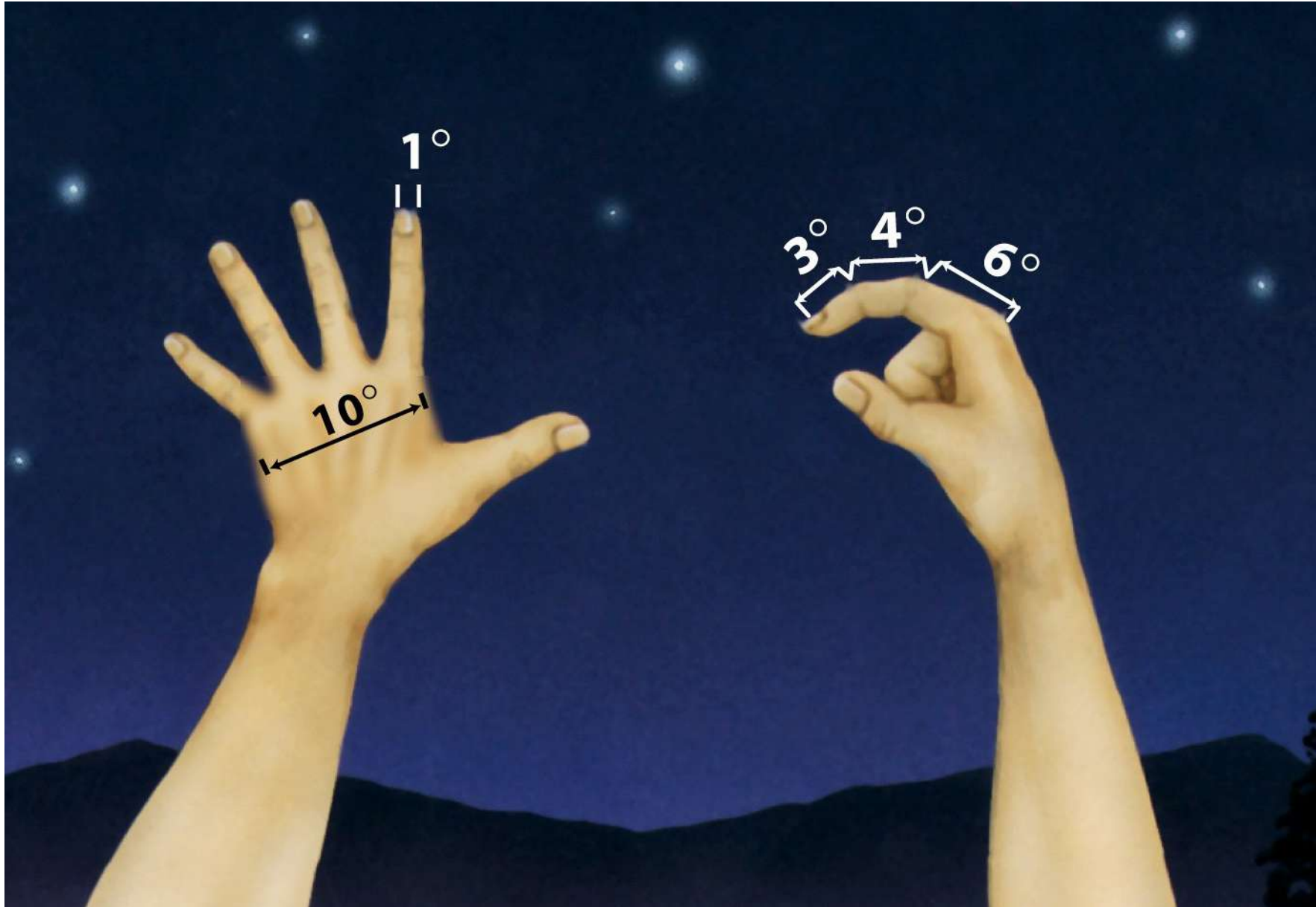
Star

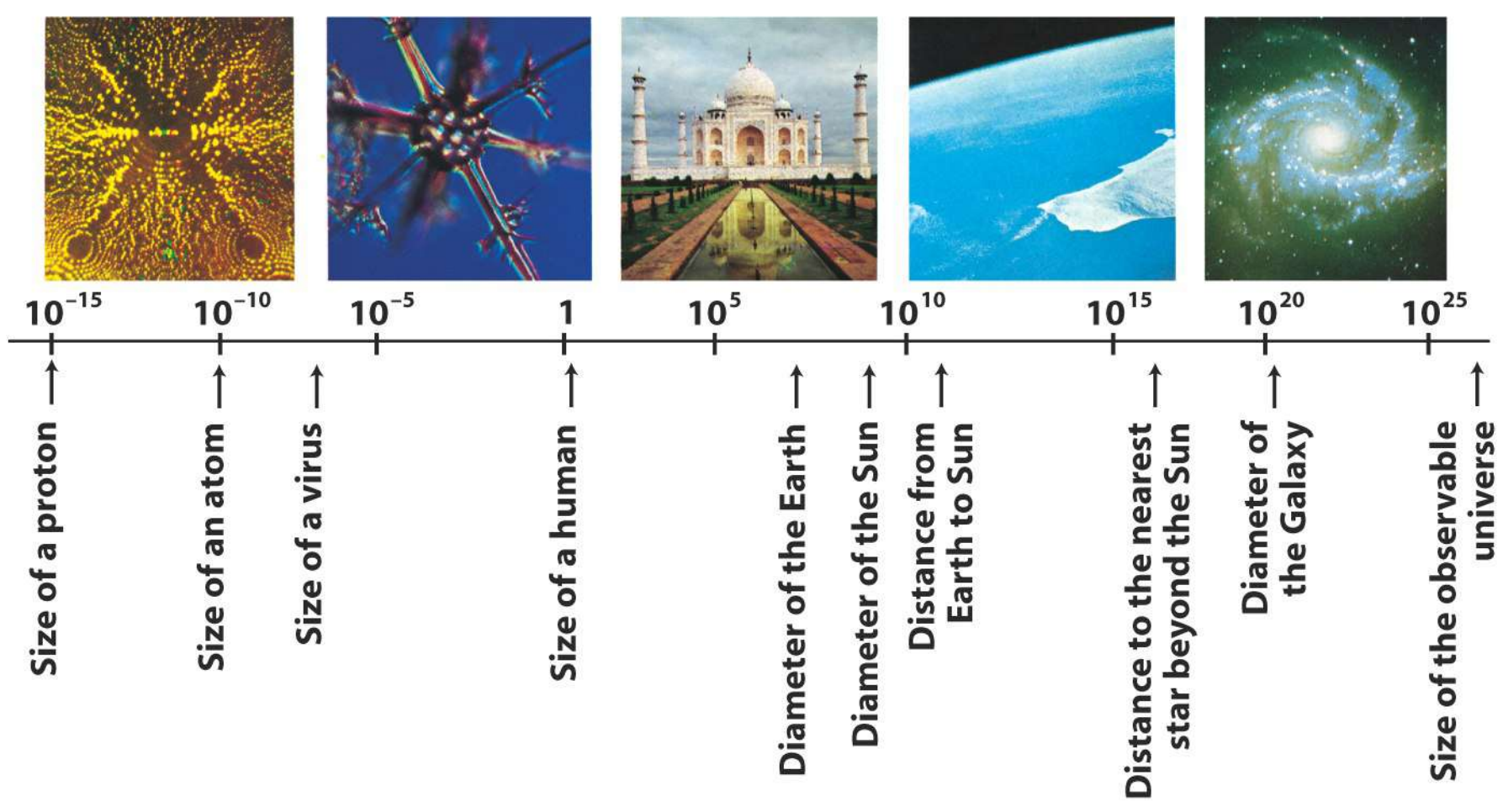
Quasar







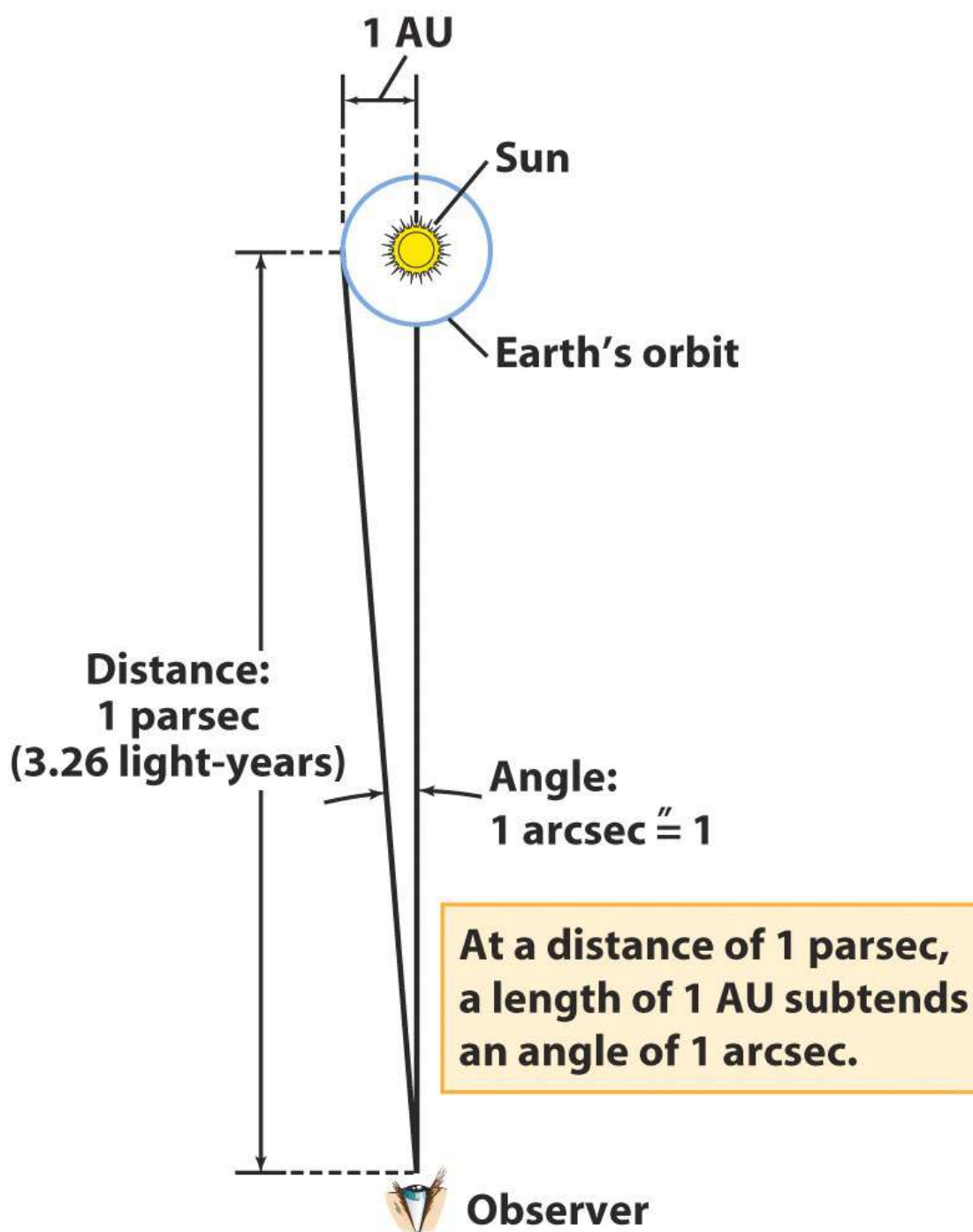




Common Prefixes

Factor		Name	Symbol
(billion)	10^9	Giga-	G
(million)	10^6	Mega-	M
(thousand)	10^3	kilo-	k
(hundredth)	10^{-2}	centi-	c
(thousandth)	10^{-3}	milli-	m
(millionth)	10^{-6}	micro-	μ
(billionth)	10^{-9}	nano-	n





$$D = \frac{31.2'' \times 943 \times 10^6 \text{ km}}{206265} = 1.43 \times 10^5 \text{ km}$$

