

Section 28.4

Galaxies and the Universe

Before you read:

Read the key idea. You have probably heard the term “billions” before. But with a partner, work on a presentation that will show your class how large a number a billion truly is.

While you read:

Summarize key concepts in the section as you define and then compare the items in each row.

Universe	Observable universe
Spiral galaxies	Elliptical galaxies
Active galaxies	Normal galaxies

KEY IDEA

Billions of galaxies make up the universe, which, according to the big bang model, formed more than 10 billion to 20 billion years ago.

KEY VOCABULARY

- galaxy
- quasar
- big bang model

After You Read:

Briefly summarize the big bang model of the universe’s origin.
