

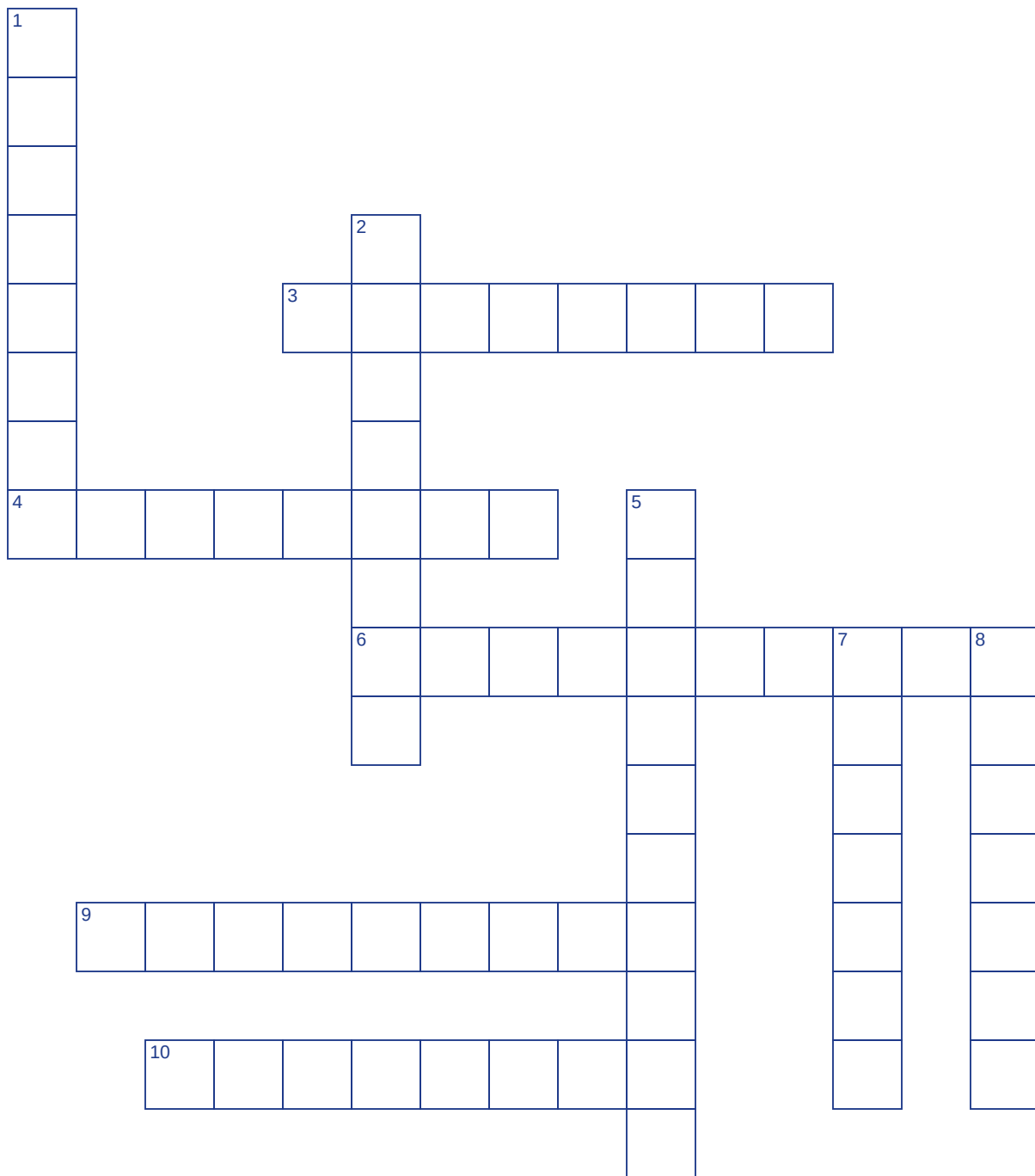
Space Watchers: An Astronomical Phenomena Crossword

Astronomical phenomena are observable events that happen among objects in space, such as seasons, Moon phases, eclipses, equinoxes, solstices, and changes in daylight ([Knowledge](#), [PDF p.1](#)). Many of these phenomena follow predictable patterns and repeat in cycles, which is why people can use calendars to plan planting, harvesting, and hunting around them ([Knowledge](#), [Skills](#)). This crossword reviews the vocabulary you need to describe what you observe in the sky and connect it to life on Earth ([Understanding](#), [Guiding question](#)).

How to play

Read each clue carefully. Every answer connects to something you can observe about Earth, the Moon, or the Sun. Write your answers in capital letters, one letter per box, fitting the grid below. Numbers on the grid match the numbers on the clue list. Some words run across and some run down, so check the direction before you start writing.

Puzzle grid



Clues

Across

3. A system for organizing days, months, and years. (8)
4. The day with the longest or shortest period of daylight. (8)
5. One half of Earth, divided by the equator into north and south. (10)
6. Facts or events that can be observed in nature. (9)
7. Happening in a repeating pattern or cycle. (8)

Down

1. Repeated arrangements or sequences that happen regularly. (8)
2. The period of time when the Sun is above the horizon. (8)
3. Able to be seen or noticed by watching carefully. (10)
4. When the Moon blocks sunlight or Earth's shadow covers the Moon. (7)
5. A day when daytime and nighttime are nearly equal length. (7)

Answer key

- **1 down:** PATTERNS
- **2 down:** DAYLIGHT
- **3 across:** CALENDAR
- **4 across:** SOLSTICE
- **5 down:** OBSERVABLE
- **6 across:** HEMISPHERE
- **7 down:** ECLIPSE
- **8 down:** EQUINOX
- **9 across:** PHENOMENA
- **10 across:** CYCLICAL

