

3. Answers will vary. Students should understand that while astrology was widely accepted as valid in ancient history, advances in our understanding of the universe have led many scientists to challenge its credibility today.

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1. The stars move at a rate too slow for the human eye to discern, although they may appear to move slightly relative to Earth's orbit. Even with special equipment, true movement cannot be discerned in one night.
2. Answers will vary. Students might mention telescopes, radiotelescopes and satellite arrays, or light spectrum analyzers.



1. If you went stargazing on a clear night, would you expect to see the stars move? Explain your answer.
2. What scientific methods might be used to track star movement?
3. If someone told you that they could use the movement of the stars to predict future events on Earth, would you consider that a scientific approach? Explain your answer.