

# STUDY GUIDE

AWESOME SCIENCE MEDIA PRESENTS

**EPISODE 10**

**“Asteroids & Comets”**

# THE HEAVENS DECLARE

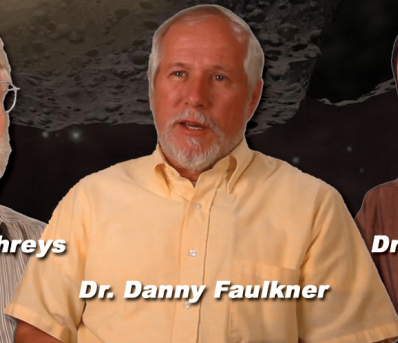
***A DVD Series exploring the scientific evidence which supports the Biblical worldview for the formation of the universe***



***Dr. Don DeYoung***



***Dr. Russ Humphreys***



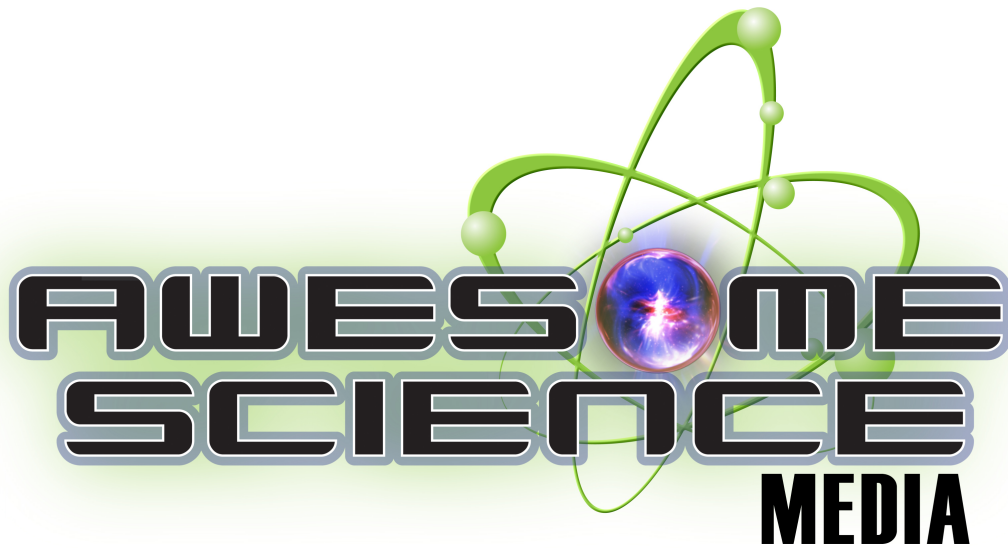
***Dr. Danny Faulkner***



***Dr. Jason Lisle***



***Spike Psarris***



**Presents:**

**The Heavens Declare – Episode 10**  
**“Asteroids and Comets”**  
Study Guide

**Table of Contents**

Introduction  
Chapter 1 –What is an Asteroid?  
Chapter 2 –What is a Meteoroid?  
Chapter 3 –Were Asteroids Created by God?  
Chapter 4 –What is the Secular View on the Origin of Asteroids?  
Chapter 5 – Do Asteroid Impacts Cause Craters?  
Chapter 6 –Will an Asteroid Hit the Earth?  
Chapter 7 – Did an Asteroid Kill the Dinosaurs?  
Chapter 8 – What Are Comets?  
Chapter 9 – Did Comets Bring Water to Earth?  
Chapter 10 – How Do Comets Show the Age of the Solar System?  
Chapter 11 – The Benefits of Exploring Our Solar System.  
Answers to Questions  
Conclusion

## Introduction

Welcome to this study guide for the *Heavens Declare - Episode 10, "Asteroids and Comets."* This guide is designed to be used by youth groups, Sunday schools, church groups, public school parents that want to reinforce their student's faith, or anyone that wants to go deeper in their understanding of the concepts presented in the video. It can also serve as curriculum for homeschool students.

Like the video, this study guide is broken-up into 10 different sections. Please start by watching a chapter of the video, and then complete the accompanying section in this guide. You will find the information presented in several different interesting formats:



**Summary.** These brief overviews will give a big-picture understanding of the content covered in the video.



**Vocabulary.** This will be an introduction of possible new terms.



**Review Questions.** These questions will help to clarify many of the concepts presented throughout the video. Answers to the questions will be presented at the end of this study guide.



**Discovery Questions.** These questions will take the student deeper in drawing their own conclusions to see the bigger picture.



**Scripture Quotes.** God's Word will clarify the truth of the concepts being presented.



**Quote Boxes.** These quotes will demonstrate man's thinking on different subjects.



**Interesting Discoveries.** These boxes will introduce us a place which made a contribution to modern thinking.



**Activities.** These exercises will provide creative ways to reinforce the information presented.



**Riddles.** These will be activities that require a problem to be solved, allowing students to arrive at conclusions by going deep.

## Chapter 1 –What is an Asteroid?

Please start by watching Chapter 1 of the video, then complete the following section.



### “What is an Asteroid?” Summary

---

As we navigate the solar system, this episode will introduce us to some other celestial bodies we find in our amazing solar system, known as asteroids and comets. Secular science sees them as leftovers from the evolutionary formation of our solar system, but creationists see them as something put here by God.



**Asteroid** – A big rock flying through space which orbits the sun.

Asteroids, according to Spike Psarris, are big rocks flying through space which are different shapes and sizes. If they have enough of their own gravity, they become round.

Dr. Lisle classified asteroids as sub-planets, which orbit the sun. He let us know that, originally there were thought to be only four extra planets in our solar system: Ceres, Vesta, Pallas, and Juno.

There are hundreds of thousands of asteroids, and most of their orbits are between Mars and Jupiter. They range in size from small, like the size of your car, to sub-planet size. Some creationists wonder if they are remnants from a small planet that exploded.

Asteroids are made from different type materials which make them either spongy or metallic; the metallic kind have materials that would be valuable here on Earth.



### “What is an Asteroid?” Review Questions

---

1. What is an asteroid?

2. According to Dr. Lisle, what are the names of the “sub-planets” that used to be considered planets?
3. How many asteroids are there?
4. What two planets do asteroids normally orbit between?
5. What sizes did Dr. DeYoung compare the asteroids to?
6. What do some creationists think asteroids are due to?