Instructions

Answer the following questions based on the movie *Interstellar*. Use complete sentences and provide as much detail as possible. Space has been provided for your answers.

Section 1: Multiple Choice

Choose the correct answer for each question.

1. What is the name of the astronaut who leads the mission in the movie *Interstellar*?

A) Joseph Cooper
B) Amelia Brand
C) Tom Cooper
D) Dr. Mann

2. What is the name of the robot that assists the astronauts on their mission?

A) TARS
B) CASE
C) KIPP
D) ROBBY

3. What is the primary purpose of the mission in *Interstellar*?

A) To find a new habitable planet for humanity
B) To explore a distant galaxy for resources
C) To establish communication with alien life
D) To study black holes

4. What is the name of the black hole that the spaceship travels through?

A) Gargantua
B) Cygnus X-1
C) Sagittarius A*
D) Orion Nebula

5. What is the name of the planet where Dr. Mann is stationed?

A) Miller's Planet
B) Edmunds' Planet
C) Mann's Planet
D) Cooper's Station

Section 2: Short Answer

Provide a brief explanation for each question.

1. What is gravitational slingshot maneuver and how does it relate to space travel in the movie?

2. What is the significance of the tesseract in *Interstellar*?

3. How does the concept of relativity affect the relationship between Cooper and his daughter Murph?

Section 3: Essay Question

Choose one of the following essay prompts and write a well-developed essay response.

Option 1: Explain the scientific concept of wormholes and how they are used in *Interstellar* to enable faster-than-light travel. Discuss the theoretical possibilities and challenges of wormholes in real-life physics.

Option 2: Discuss the theme of survival and sacrifice in *Interstellar*. How do the characters embody these themes and what message does the movie convey about humanity's future?

Section 4: Creative Expression

Imagine you are part of a space mission to another galaxy. Describe the planet you would like to visit and what you hope to discover there.

Design your spacecraft and describe its features:

Write a journal entry from your first day on the new planet: