

Black Holes & the Quest for a Theory of Everything

“Interstellar” Follow-Up Qs

Name_____

Date_____ Class_____

1. Who did “they,” the makers of the wormhole and tesseract, IN YOUR OPINION, turn out to be? (Explain why this is your opinion with ideas from movie characters themselves or from our post movie discussion.)
2. Who was the gravity-using “ghost?” What initial command did the distraught ghost send that almost destroyed a future for humanity? Explain why it would have if obeyed.
3. A real scientific idea explored in this movie is that gravity is the only force that can move across _____ (and also into other _____ parallel to ours). String theory builds on this idea to offer an explanation why gravity is by far the _____est of nature’s 4 forces: *it tends to _____ out of our universe into those other dimensions and places so we don’t see the pull of all that is created by masses here!*
4. So which plan(s) ended up succeeding? Explain your answer.
5. Explain the way in which this story found a way for its main character to find the data needed to create a “theory of everything” that brought quantum mechanics and general relativity together.