

Inquiry STEMs from Mystery!

65 Short Mysteries You Solve With Science

Occupational Hazards

It was the start of Career Week in science class.

The students had to pick an area of science they found interesting and then research what it would be like to working that job.

“J.L., let’s start with you,” said their teacher, Mr. Chisek. “What career are you going to study?”

“I’ve always liked space,” J.L. said. “I think meteors are really neat. So I’m going to look into being a meteorologist.”

“I like space, too,” George said. “I just love looking at the stars. So I’ll research being an astrologer.”

Chisek said, “How about something a little more down to Earth?”

“I’m interested in plants,” Jahari said. “I’m going to do my report on how to be a botanist.”

“Is there anyone interested in rocks and minerals?” the teacher asked.

“Me,” Trisha said. “I’ll do mine on what it’s like to be a geographer.”

“Anyone interested in electronics?” Mr. Chisek asked.

Brandon raised his hand. “I love messing around with radios. I’m going to research radiology,” he said.

Tucker leaned over and whispered to Acquan, “I’m surprised Mr. Chisek isn’t saying anything. But I guess he’s going to let them find out the hard way. All of them except for one are in for a surprise.”

Mystery No. 5 (page 153) from

One Minute Mysteries: 65 Short Mysteries You Solve With Science!



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Answer:



“I know what you mean,” Acquan said. “Meteorology is not the study of meteors, it’s the study of weather. And astrology isn’t the study of the universe, astronomy is. Astrology isn’t a science; it’s a belief that the stars and planets affect our personalities and our lives.”

Tucker said, “Trisha will soon find out that geology is the study of things found in the ground and that geography is the study of the Earth’s physical features. And radiology isn’t about radios, it’s about using X-rays and radioactive substances to detect and treat disease. Jahari is the only one who’s right; botany is about studying plants. Being accurate is really important in science!”

Answer to Mystery No. 5 (page 153) from
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Occupational Hazards

Assessment: What Am I Going To Be When I Grow Up?

Match each career to what they do.

- | | | |
|-------------------|-------|---|
| 1. Agronomist | _____ | A scientist who studies the environment |
| 2. Anthropologist | _____ | Someone who specializes in straightening teeth |
| 3. Atronomer | _____ | A scientist that studies animals |
| 4. Astronaut | _____ | A scientist who studies the earth |
| 5. Biologist | _____ | A doctor that specializes in nerves and the brain |
| 6. Cardiologist | _____ | Someone who flies above the earth, the universe |
| 7. Cosmonaut | _____ | A scientist that studies poisons |
| 8. Dentist | _____ | A scientist that studies volcanoes |
| 9. Dermatologist | _____ | A doctor who specializes working with skin |
| 10. Ecologist | _____ | Someone who flies among the stars (or space) |
| 11. Geologist | _____ | A scientist who works with soil |
| 12. Hydrologist | _____ | A doctor that specializes in hearts |
| 13. Mortician | _____ | A scientist who studies life |
| 14. Neurologist | _____ | Someone who works with dead people |
| 15. Orthodontist | _____ | Someone who works with teeth |
| 16. Podiatrist | _____ | A scientist who studies water |
| 17. Psychiatrist | _____ | A scientist who studies the foot |
| 18. Toxicologist | _____ | A scientist that specializes in mental health |
| 19. Volcanist | _____ | A scientist who studies man |
| 20. Zoologist | _____ | A scientist who studies stars and the universe |