Name	Class	Date
Skills Worksheet		
<b>Critical Thinking</b>		

# **Kryptonite!**

In today's episode, we find Outback Jack and his clever partner, Diego, seeking knowledge and adventure in an exotic land. They are in a forest searching for Kryptonite, the glowing, green rock from the distant planet Krypton. Jack and Diego don't know much about Kryptonite, but they do know that it is unlike any rock found on Earth.

Suddenly, Diego stubs his toe on a mysterious green stone.

**Diego:** Jack, look! I think we've finally found it! Have you ever seen anything like this? The color, the luster—it must be from Krypton!

**Jack:** I think you're right, pal! This shiny green nugget must be from outer space! **Diego:** But Jack, no one will believe us unless we prove it scientifically.

#### **One Week Later**

**Jack:** Diego, look at how it shines! It really looks like our mystery rock comes from a faraway galaxy! Just to be sure, though, let's compare our rock's properties to the properties of different rocks on Earth.

#### **One Month Later**

**Diego:** Well, Jack, the density, hardness, and streaks of our rock match those of an emerald. It looks like our "Kryptonite" was nothing more than a common gemstone. We were wrong. It's a good thing we used scientific methods!

### **USEFUL TERMS**

galaxy a system of stars, dust, and gas held together by gravityproperties the qualities that something hasemerald a valuable stone that is bright green

## **ASKING QUESTIONS**

. What question did Jack and Diego want to answer?			

Name	Class	Date
Critical Thinking continued		
FORMING A HYPOTHESIS  2. What hypothesis did Jack ar	ıd Diego form about th	ne mysterious rock?
<b>TESTING THE HYPOTHESIS 3.</b> How did Jack and Diego test	t their hypothesis?	
ANALYZING RESULTS  4. How did Jack and Diego ana	llyze their results?	
DRAWING CONCLUSIONS		
<b>5.</b> After Jack and Diego analyze not from another planet after fully answer their original quantum original	r all. Did scientific me	thods help them success-
PREDICTING CONSEQUENCES		
<b>6.</b> What might have happened is before announcing their find	_	not tested their hypothesis