Name:	
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Section:	

Astron 104 Laboratory #9 Gravity and Black Holes

Note

For the section Black Holes: Abandon All Hope, Ye Who Enter Here!, replace the question:

The radius R when $v_{\text{esc}} = c$ has a special name: the **event horizon**. If a spacecraft were to cross inside the event horizon, could it reverse course and fly away? Explain.

with

The radius R where $v_{\rm esc} = c$ has a special name: the **event horizon**. Einstein's theory tells us that, once past an event horizon, not only can an object not escape to infinity, but it cannot even get back out of the event horizon!

ASTRON 104 FALL 2016 1