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Black Holes

How can you describe a black hole? Well, it's black and it's—what exactly *is* a black hole?

A black hole is very dense. So dense, in fact, that the force of gravity surrounding it is so strong you have to travel faster than the speed of light to escape. This may sound dangerous, but as long as you don't get too close, you're okay.

Think of it this way: everything with mass has gravitational pull, which gets weaker as distance from the mass increases. Say, for example, that at 50 miles from the center of a black hole, you were being pulled in at 100 mph. This means that if you were moving at 100 mph, you would remain standing still. The closer you get to the center, the faster you would have to travel to stay in one place. Since a black hole is so dense, there comes a point where not even light is fast enough to escape! This is why black holes appear black.