

get a Quiz key

Review for Test tomorrow

-Neutron Stars and Black Holes (Chapter 13)

-3" x 5" notecard

We'll divvy up the vocab & you'll each look up a definition and tell the class.

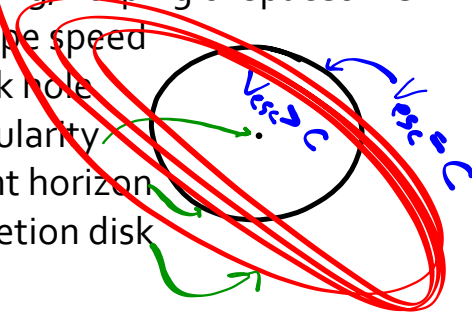


VOCABULARY & CONCEPTS

- hydrostatic equilibrium
- nuclear fusion
- gravity
- nova, supernova, hypernova
- neutron star
- pulsar
- lighthouse model
- magnetic field
- binary star systems
- gamma-ray burster
- stellar mass limits for white dwarfs, neutron stars, & black holes

- special relativity
- general relativity
- length contraction
- time dilation
- gravitational redshift
- spacetime
- speed of light
- curving/warping of spacetime
- escape speed
- black hole
- singularity
- event horizon
- accretion disk

$c = 186,000 \text{ mp/s}$
 $= 300,000 \text{ km/s}$
 $= 300,000,000 \text{ m/s}$



	WHITE DWARF	NEUTRON STAR	BLACK HOLE
STAR	$\sim 10 m_{\odot}$		$\sim 25 m_{\odot}$
CORE	$\sim 1.4 m_{\odot}$		$\sim 3 m_{\odot}$