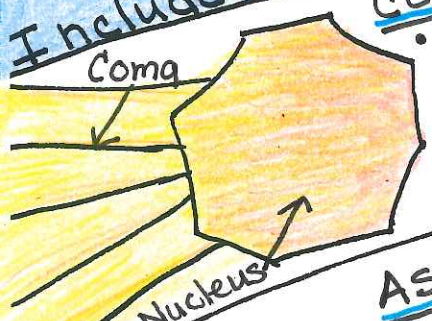
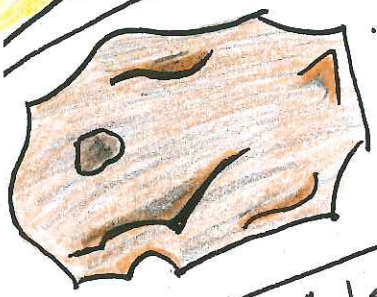
In the Night Sky

LT#1 I can recognize & describe the properties, locations, and movements of objects in the solar system

Text pgs 386-387

Include-Pict	Name	Properties	Location (Orbit)	Movements	Composition	Size Range
	Comet	• Looks like a star with a tail • Has own atmosphere	*Short term • 5-10 yrs or > 200 yrs • From Kuiper belt *Long term over 200 yrs (Decades, centuries, millenia - from Oort cloud	• Stays in space & orbits sun • Long looping ecliptical near sun on one end & near Jupiter on other end	Mixture of rock ice and dust Loosely held together	• Nucleus - 10 km wide (≈ 6 miles) • Comet tail up to 1,000,000 km or 600,000 miles long
	Asteroid	• most irregularly shaped • Pitted and cratered	Stays in Space	Orbits sun in Asteroid Belt between Mars & Jupiter * some cross orbits with Mars & Earth	Pieces of Rock and Ice * Some Metals Left over from formation of Solar System	33km - 500km * From ½ mile to a few hundred miles in diameter
	Meteoroid	Small Rocky Stays in Space * Among the smallest bodies in space.	moves through space	In Space	Rocky * Space rock fragments or debris from asteroids & comets. * rocks, ice metal & dust	• Most smaller than a grain of sand. Some larger * Smaller than Asteroids
	Meteor	was meteoroid Looks like a streak of light as burns in atmosphere	*Shooting star* Due to gravity Entered Earth's Atmosphere moving toward Earth's surface (* or moon or planet)	• Rocky * Rocks, ice, metal, & dust	• most smaller than grain of sand • Some larger * Most burn up in atmosphere due to friction	
	Meteorite	• Strikes a Planet's or moon's surface. • Leaves Impact crater. (<170 on Earth)	* Hits Ground	• Hits Earth's surface (or Planet or moon)	• Rocky Particle * Rocks, metal	• Larger than grain of sand & big enough to reach Earth's surface with out burning up