ASTR 160

now open to ALL
non-science majors

Problem Set # 1 due
THURSDAY

(available on classes server)

TF office his tomorrow

classes forum for questions (on VZ click "discussion")

CB's Starbocks hours
Mondays 10-11:45

Open Yale courses

Catagones of Solar System Objects

1) Sun

"terrestial" planets rocks (silicon, wour) very him conting of ice Lime !trd
que sous)

masses 10-7-10-5 of Sun

civellar osbits

irregular small radis 3) asteroid

4) outer "jouian" planets galice. H. He water, america

10-4-10-3 of Sun

rings, many meens,

Open Yale courses

Chargerles orbit license. Please consult the Open Yale Courses Terms of

5) Kuiper Belt Object
Pluto etc

rocky < 10⁻⁷ Mo

elliptical included e-bits

6) Oort clost - count

balls of ice.

INTERPRETATION

(net time)

Open Yale courses

Yale University 2012. Most of the lectures and course material within Open Yale Courses are licensed under a Creative Commons Attribution-Noncommercial-Share Alike 3.0 license. Unless explicitly set forth in the applicable Credits section of a lecture, third-party content is not covered under the Creative Commons license. Please consult the Open Yale Courses Terms of Use for limitations and further explanations on the application of the Creative Commons license.

what do you do w.m all Mis solar system info? we hod. observations. observations

takerpre to lion closs. freation

Open Yale courses

under a Creative Commons Attribution-Noncommercial-Share Alike 3.0 license. Unless explicitly set forth in the applicable Credits section of a lecture, third-party content is not covered under the Creative Commons license. Please consult the Open Yale Courses Terms of Use for limitations and further explanations on the

Newton's	3rd Law: every action has	e equal	\$
** (on servahon	of mon	ne.h
		direch.	7
			OVE OVE I'S KW

 $M_{\bullet}V_{\bullet} = M_{\bullet}V_{\bullet}$ Open Yale courses

© Yale University 2012. Most of the lectures and course material within Open Yale Courses are licensed under a Creative Commons Attribution-Noncommercial-Share Alike 3.0 license. Unless explicitly set forth in the applicable Credits section of a lecture, third-party content is not covered under the Creative Commons license. Please consult the Open Yale Courses Terms of Use for limitations and further explanations on the application of the Creative Commons license.

"center of mass" VTOT = Vp + V+ VPMp= VyM= Sun = 2x1030 hg Early = 6x1024 hg Open Yale Justiler = 2 × 10 32 Kg but can be

Be Tenns of Use for limiting and further explanations on the

eso orbit aroud