



Natural History Museum
and Planetarium

Get Your
Universe
In Order!

Natural History Museum & Planetarium Get Your Universe in Order!

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GPS

- 1st Grade: S1CS1
2nd Grade: S2CS1
3rd Grade: S3CS1
4th Grade: S4CS1, S4E2
5th Grade: S5CS1
6th Grade: S6CS1, S6E1
7th Grade: S7CS1

Note: This activity may be difficult for younger children.

Objective: Students will connect with the exhibits in the Natural History Museum and Planetarium by doing this pre-visit activity and discussing the definitions of the terms included.

Instructions: Cut all the terms out and mix them up. Have students or groups of students arrange the terms in order of largest, most inclusive to smallest most detailed. Large headings are in all capital letters. Each heading has three terms that belong with it. Answers in order are listed below.

Notes:

UNIVERSE: Galaxies, Dark Matter, Big Bang

GALAXIES: Milky Way, Andromeda, Sagittarius

PLANETARY SYSTEMS: Our Solar System, 51 Pegasi, Tau Boötis

OUR SOLAR SYSTEM: Sun, Planets, Asteroids

PLANETS: Jovian (Gaseous), Terrestrial, Dwarf

TERRESTRIAL PLANETS: Venus, Mars, Earth

EARTH: Atmosphere, Hydrosphere, Lithosphere

TECTONIC PLATES: Lithospheric Mantle, Moho, Crust

TECTONIC BOUNDARIES: Divergent, Convergent, Transform

GEOLOGIC PROCESSES: Volcanism, Fluvial Erosion, Lithostatic Compaction

ROCKS: Igneous, Metamorphic, Sedimentary

MINERALS: Carbonates, Silicates, Oxides

ELEMENTS: Iron, Gold, Copper

ATOMS: Protons, Neutrons, Electrons

ELEMENTARY PARTICLES: Leptons, Bosons, Quarks

UNIVERSE GALAXIES

PLANETARY SYSTEMS

OUR SOLAR SYSTEM

PLANETS EARTH

ROCKS

TERRESTRIAL PLANETS

TECTONIC PLATES

ATOMS

TECTONIC BOUNDARIES

GEOLOGIC PROCESSES

MINERALS ELEMENTS

ELEMENTARY PARTICLES

Galaxies

Dark Matter

Big Bang

Milky Way

Andromeda

Sagittarius

Our Solar System

Sun

51 Pegasi

Planets

Tau Boötis

Asteroids

Jovian (Gaseous)

Dwarf

Terrestrial

Venus

Mars

Earth

Atmosphere

Hydrosphere

Crust

Lithosphere

Moho

Lithospheric mantle

Divergent

Convergent

Transform

Volcanism

Fluvial erosion

Oxides

Lithostatic compaction

Igneous

Bosons

Metamorphic

Sedimentary

Silicates

Carbonates

Iron

Gold

Copper

Protons

Neutrons

Electrons

Quarks

Leptons