

MAIN IDEA (OBJECTIVE):



UNIT 2 HAS AN ARRAY OF COMPLEX VOCABULARY THAT PERTAINS TO THE VERY CREATION OF TIME AND SPACE!

**LECTURE FOCUS (ESSENTIAL QUESTION):** 



Why is it important to have an understanding of advanced language when studying a new subject? What language do you know that might help you understand the Big Bang?

**ADVANCE** - A MOVEMENT FORWARD / A CHANGE FOR THE BETTER; PROGRESS IN DEVELOPMENT / BRING FORWARD FOR CONSIDERATION OR ACCEPTANCE



**RELATED WORDS (**SYNONYMS) - ACCELERATE, ADVANCEMENT, PROGRESSION, PROMOTE, RAISE, RISE AND SUPERCHARGE.

ASTRONOMICAL - RELATING OR BELONGING TO THE SCIENCE OF ASTRONOMY / INCONCEIVABLY LARGE







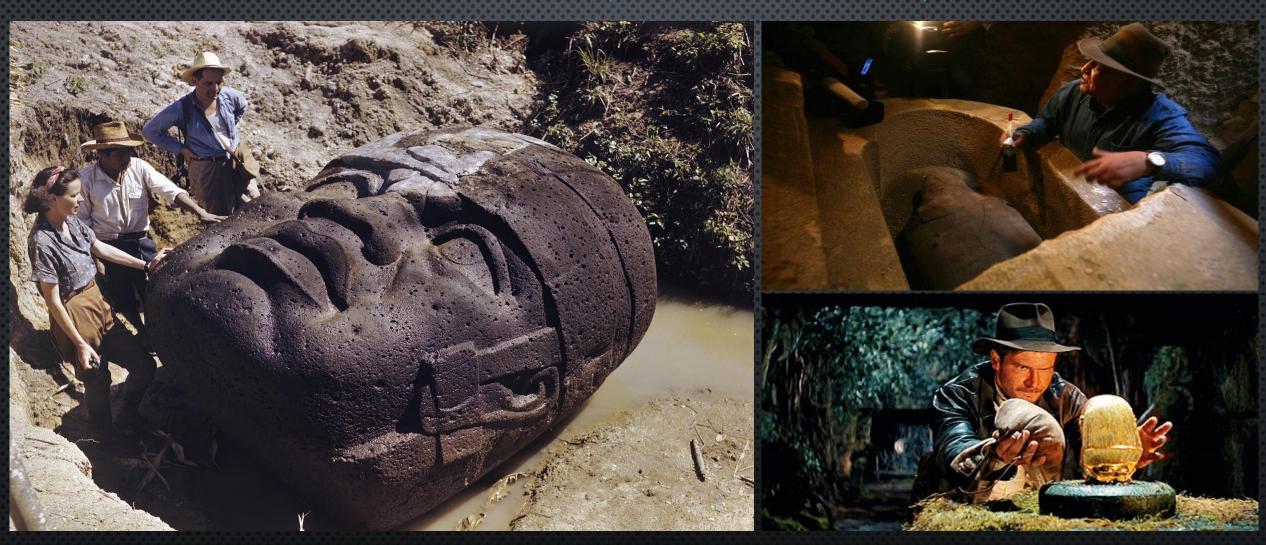
RELATED WORDS (SYNONYMS) - GALACTIC, OCEANIC, VAST AND ENORMOUS

ASTRONOMY - THE BRANCH OF PHYSICS THAT STUDIES CELESTIAL BODIES AND THE UNIVERSE AS A WHOLE



RELATED WORDS (SYNONYMS) - STARGAZING AND ASTROPHYSICS

**DISCOVERY -** THE ACT OF DISCOVERING SOMETHING / SOMETHING THAT IS DISCOVERED / A PRODUCTIVE INSIGHT



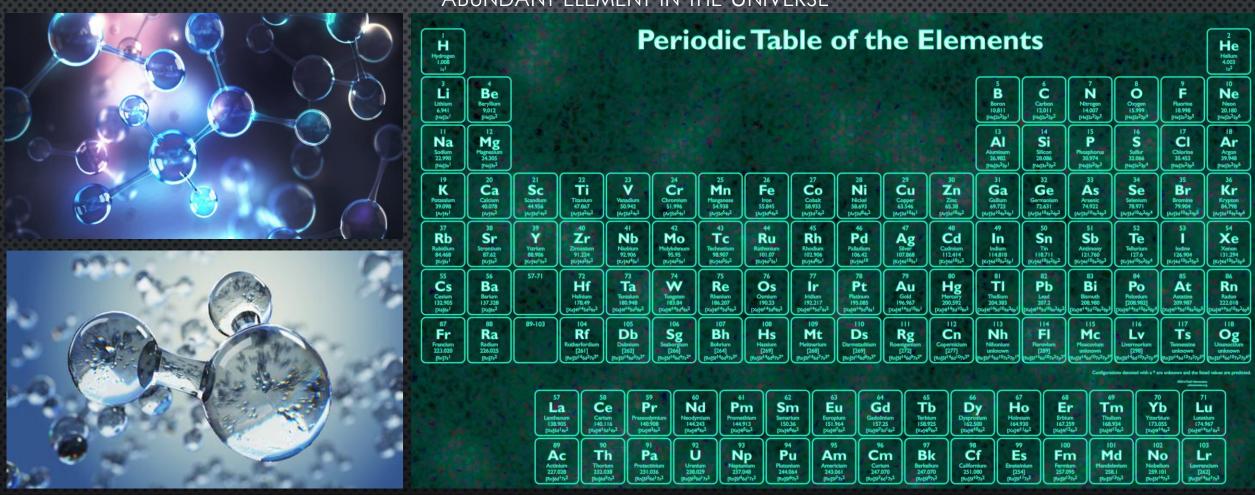
RELATED WORDS (SYNONYMS) - BREAKTHROUGH, INSIGHT AND UNCOVER

**EVIDENCE -** YOUR BASIS FOR BELIEF OR DISBELIEF; KNOWLEDGE ON WHICH TO BASE YOUR BELIEF / AN INDICATION
THAT MAKES SOMETHING EVIDENT



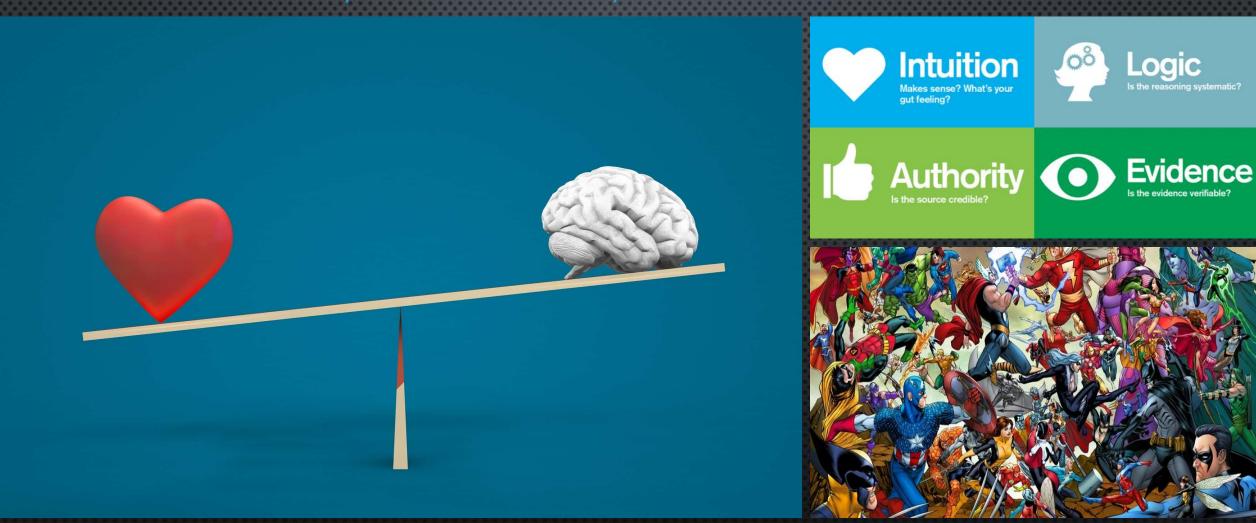
RELATED WORDS (SYNONYMS) - ATTEST, CERTIFY, DEMONSTRATE, GROUNDS, MANIFEST, PROVE

Hydrogen - a nonmetallic element that is normally a colorless and odorless highly flammable gas / abundant element in the Universe



RELATED WORDS (SYNONYMS) — ELEMENT

Intuition — Gut Feeling / instinctive knowing / an impression that something might be the case



LOGIC - REASONED AND REASONABLE JUDGMENT / THE PRINCIPLES THAT GUIDE REASONING WITHIN A GIVEN FIELD OR SITUATION / A SYSTEM OF REASONING



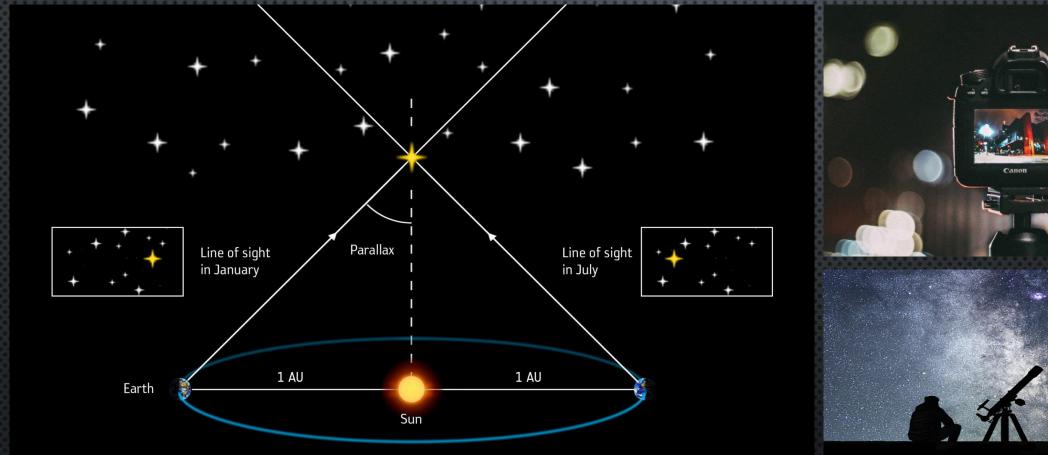
RELATED WORDS (SYNONYMS) - REASON, JUDGMENT AND RATIONALITY

OBSERVATION - THE ACT OF MAKING AND RECORDING A MEASUREMENT / TAKING A PATIENT LOOK



RELATED WORDS (SYNONYMS) - NOTICE, REFLECTION AND WATCHING

PARALLAX - THE EFFECT OF A POSITION OR DIRECTION OF AN OBJECT APPEARS TO DIFFER WHEN VIEWED FROM DIFFERENT POSITIONS. THROUGH THE VIEWFINDER AND THE LENS OF A CAMERA.

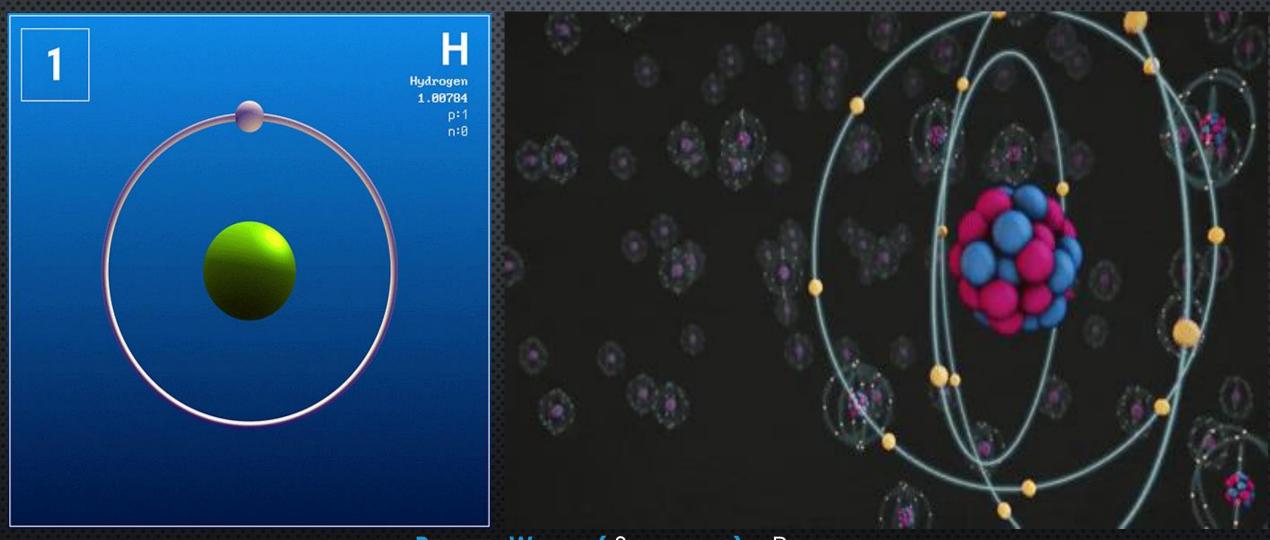




RELATED WORDS (SYNONYMS) - PARALLAX

**EXAMPLES (S**ENTENCES) – THE TREE LOOKED CLOSER WHEN LOOKING THROUGH THE VIEWFINDER AND THE LENS OF A CAMERA. PARALLAX CAN BE USED TO DETERMINE DISTANCE TO NEARBY STARS.

**PROTON** - A STABLE PARTICLE WITH POSITIVE CHARGE EQUAL TO THE NEGATIVE CHARGE OF AN ELECTRON



RELATED WORDS (SYNONYMS) - POSITIVE

**REVOLUTION -** A DRASTIC AND FAR-REACHING CHANGE IN WAYS OF THINKING AND BEHAVING / THE OVERTHROW OF A GOVERNMENT BY THOSE WHO ARE GOVERNED



RELATED WORDS (SYNONYMS) - ROTATION, REVOLT AND GYRATION

SCHOLAR - A LEARNED PERSON (ESPECIALLY IN THE HUMANITIES); SOMEONE WHO BY LONG STUDY HAS GAINED MASTERY IN ONE OR MORE DISCIPLINES



RELATED WORDS (SYNONYMS) - BOOKMAN, LEARNER, STUDENT AND NERD

**SCIENTIFIC** - OF OR RELATING TO THE PRACTICE OF SCIENCE / FOLLOWING WITH THE PRINCIPLES OR METHODS USED IN SCIENCE

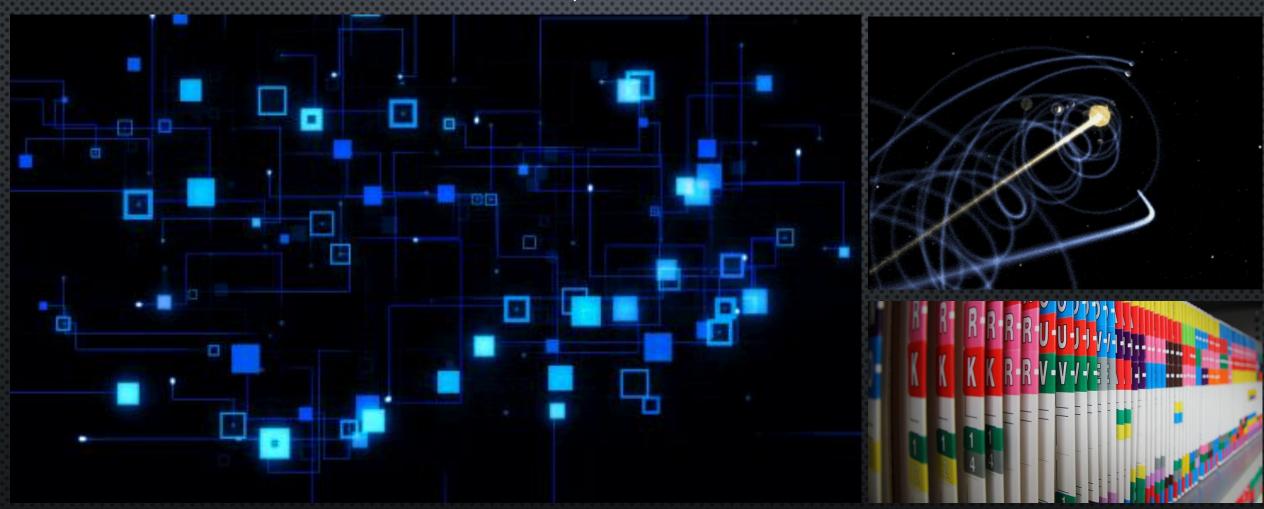






**RELATED WORDS (**SYNONYMS) – TECHNICAL, SYSTEMATIC AND OMNISCIENCE

**System -** A COMPLEX OF METHODS OR RULES GOVERNING BEHAVIOR / AN ORGANIZED STRUCTURE FOR ARRANGING OR CLASSIFYING / AN ORDERED MANNER



RELATED WORDS (SYNONYMS) - ORGANIZATION, ARRANGEMENT AND STRUCTURE

Universe / Big Bang - Everything that exists anywhere / Everything stated or assumed in a given discussion



RELATED WORDS (SYNONYMS) - COSMOS, CREATION, EXISTENCE AND THE WORLD