

**Vocabulary - LESSON 1**

**CLASSIFICATION OF  
MATTER IN PROCESSING**

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**Actually (adv)**  
/'æk.tʃu.ə.li/

- in fact or really
  - is often used when you want to emphasize that something is surprising or unusual
- Ex: He actually expected me to pay for his dinner.

→ **Actual (adj)**: true', 'real' and 'the thing in itself'

- Thực sự là

**Aggregate (v, n, adj)**  
/'æg.rə.gət/

- to combine into a single group or total
- something formed by adding together several amounts or things
- formed by adding together several amounts or things; total

→ **aggregation (n)**: the process of combining things or amounts into a single group or total

- Tập hợp, kết hợp

**Amount (n)**  
/'ə.maʊnt/

a collection or mass, especially of something that cannot be counted

Ex: He paid regular amounts of money to a charity.

- Tổng số, số lượng

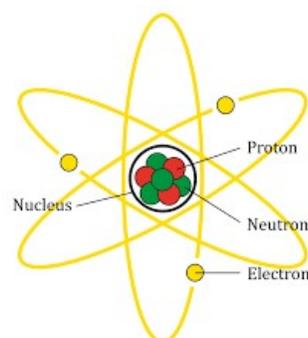
**Atom (n)**  
/'æt.əm/

The smallest unit of any chemical element, consisting of a positive nucleus surrounded by negative electrons. Atoms can combine to form a molecule.

Ex: A molecule of carbon dioxide (CO<sub>2</sub>) has one carbon atom and two oxygen atoms.

→ **Atomic (adj)**

- Nguyên tử, nguyên tử



**Basis**

(n)

/'beɪ.sɪs/

**the most important facts, ideas, etc. from which something is developed**

Ex: Their proposals have no proven scientific basis.

**a way or method of doing something**

Ex: Mostly people work on a part-time basis.

→ **Basic (adj)**      → **Basically (adv)**

- Cơ bản, căn bản

**Characterize (v)**

/'ker.ək.tə.aɪz/

- **to have as a typical quality:**

Ex: The current system is characterized by obsolete technology.

- **to characterize something also means to describe it by stating its main qualities:**

Ex: She characterized the novel as wordy in places but very funny.

→ **Characterization (n)**      → **Character (n)**

→ **Characteristic (n)**

- Mô tả, đặc trưng, đặc điểm, đặc thù

**Classify**

(v)

/'klæs.ə.fɑɪ/

**to divide things into groups according to type:**

Ex: We classify our books by subject.

- Phân loại

**Component**

(n)

/kəm'pəʊ.nənt/

- **a part that combines with other parts to make a machine or piece of equipment**

Ex: The factory supplies electrical components for cars.

→ **compose (v)**

→ **composition (n): thành phần, cấu tạo**

- Hợp thành, cấu tử

**Compound**

(n)

/'kɑm.pəʊnd/

- **a mixture of two or more different parts or elements**

- **a chemical substance that combines two or more elements.**

- Phức hợp, hợp chất

**Confusion**

(n)

/kən'fjuː.ʒən/

**a situation in which people do not understand what is happening, what they should do or who someone or something is**

Ex: To avoid confusion, the twins never wore the same clothes.

→ **Confuse (v)**

- Sự hỗn loạn, sự nhầm lẫn

## Consist (v) /kən'sɪst/

**to be something that is made or formed of various specific things**

Ex: The crowd consisted mostly of college kids and office workers.

- Gồm có, bao gồm

## Container (n) /kən'teɪnər/



**a hollow object, such as a box or a bottle, that can be used for holding something, especially to carry or store it**

Ex: an airtight container / a plastic drinks container

- Vật chứa đựng

## Definite (adj) /'def.ən.ət/

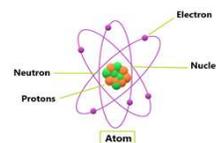
**fixed, certain, or clear**

Ex: She has very definite opinions.

→ Definition (n)

- Xác định, rõ ràng

## Electron (n) /'i.lek.trɔ:n/



**the part of an atom with a negative electrical charge, which moves around the atom's nucleus**

→ Electric (adj) điện

→ Electrical (n)

→ Electrical charge (n): positive and negative charges

- Điện tử

## Elementary (adj) /,el.ə'men.tʃə.i/

**simple or easy; basic:**

Ex: I'm taking a course in elementary Russian.

**relating to the chemical elements**

→ element (n)

- Đơn giản, cơ bản, thuộc về nguyên tố

## Essentially (adv) /'es.ən.jəl.i/

**relating to the most important characteristics or ideas of something**

→ Essential (adj): necessary or needed

- Thiết yếu

## Exhibit (v, n)

/ɪg'zɪb.ɪt/

- **to show something publicly**

Ex: He frequently exhibits at the art gallery.

- an object that is shown to the public in a museum, etc.

→ **Exhibition (n)**

- Triển lãm, trưng bày

## Expression (n)

/ɪk'spreʃ.ən/

- the act of saying what you think or showing how you feel using words or actions

- the look on someone's face, showing what they feel or think

- a word or group of words used in a particular situation or by particular people

- in mathematics, a symbol or group of symbols that represent an amount. Ex:  $4xy^2$  is an expression.

→ **Express (v)**

- Thể hiện, biểu thị, thành ngữ

## Freedom (n)

/'fri:.dəm/

**the condition or right of being able or allowed to do whatever you want to, without being controlled or limited**

Ex: freedom of speech

→ **free (adj)**

- Quyền tự do, sự tự do

## Gas (n)

/gæs/

- a substance in a form like air that is neither solid nor liquid

Ex: Oxygen, hydrogen, and nitrogen are all gases.

- = gasoline, petrol: a liquid obtained from petroleum, used esp. as a fuel for cars and other vehicles

→ **gaseous (adj):** consisting of gas or gases, or like gas

- Chất khí, khí đốt

## Heterogeneous (adj)

/'heɪ.ə.rəʊ'dʒi:.ni.əs/

- consisting of different parts or types

→ **heterogeneity (n) /'heɪ.ə.rəʊ.dʒə'nei.ə.ti/:** the fact of consisting of parts or things that are very different from each other

- Hỗn tạp, không đồng nhất, dị thể

## Homogeneous (n)

/'həʊ.məʊ'dʒi:.ni.əs/

consisting of parts or people that are similar to each other or are of the same type

→ **homogeneity (n) /'hə:.mə.dʒə'nei.ə.ti/**

- Đồng nhất, đồng thể

**Ingredient**

(n)

/ɪn'ɡri:di.ənt/

- one of the parts in a mixture
- a substance that forms part of something else

• Thành phần

**Integer**

(n)

/'ɪn.tə.dʒə/

**a whole number and not a fraction:**

Ex: The numbers -5, 0, and 3 are integers.

• Số nguyên

**Integral**

(adj)

/'ɪn.tə.ɡrəl/

- necessary and important as a part of a whole
- contained within something; not separate

• Tổng thể, toàn bộ, không chia được

**Invariant**

(adj)

/ɪn'ver.i.ənt/

- not changing

→ **variant (n)** /'ver.i.ənt/ something that is slightly different from other similar things

→ **Variance (n)** /'ver.i.əns/ Phương sai

• Bất biến, không thay đổi

**Liquid**

(n)

/'lɪk.wɪd/

**a substance that flows easily and is neither a gas nor a solid**

• Chất lỏng

**Means**

(n)

/mi:nz/

**a method or way of doing something**

Ex: Students are selected for scholarships **by means of** an open, national competition.

• Phương tiện, cách thức

**Mixture**  
(n)  
/'mɪks.tʃə/

- a substance made from a combination of different substances
- combination of different things

→ mix (v)

- Hỗn hợp, sự pha trộn

**Motion (n, v)**  
/'moʊ.jən/

- the act or process of moving, or a particular movement

Ex: She moved her finger in a circular motion.

- a formal request, usually one made, discussed, and voted on at a meeting

Ex: Someone made a motion to increase the membership fee.

- a request made to a judge in court for sth. to happen.

- to make a signal to someone, usually with hand or head. Ex: He motioned me to sit down.

- Sự vận động, chuyển động; ra hiệu, ra dấu

**Multiple**  
(adj, n)  
/'mʌ.tə.pəl/

- consisting of or involving many things or types of things

Ex: Make multiple copies of the report.

- a number that is the result of multiplying one number by another:

Ex: Many people have borrowed huge multiples of their salary in order to buy a home.

- Nhân lên, bội số

**Numerical**  
(adj)  
/nu'mer-ɪ.kəl/

- involving or expressed in numbers

Ex: Keep your files in numerical order.

- involving or shown by a series of numbers

Ex: He applies good numerical reasoning skills to data.

→ Numerically (adv) /nu:'merɪkli/

- bằng số

**Obvious**  
(adj)  
/'ɑ:b.vi.əs/

easy to see, recognize, or understand

Ex: There is no obvious solution

- Rõ ràng, hiển nhiên

**Particular**  
(adj)  
/pə'tɪk.jə.lə/

- special or single, or this and not any other:

Ex: Is there a particular restaurant you'd like to eat at?

- Đặc biệt

**Physical**

(adj)

/'fɪz.ɪ.kəl/

- **relating to the body.** Ex: physical exercise
- **relating to things you can see or touch, or relating to the laws of nature.** Ex: the physical world
- **relating to physics.** Ex: physical laws

• Thuộc về cơ thể; vật chất; vật lý

**Possess**

(v)

/pə'zɛs/

- **to have or own something, or to have a particular quality**

→ **Possession (n)** /pə'zɛʃ.ən/

• Sở hữu, có

**Ratio**

(n)

/'reɪ.ʃi.oo/

- **the relationship between two groups or amounts that expresses how much bigger one is than the other**  
Ex: The ratio of men to women at the conference was ten to one/10:1.
- **a comparison of two numbers calculated by dividing**

• Tỷ lệ, tỉ số

**Solid (n, adj)**

/'sɒl.ɪd/

- **a substance that is not liquid or gas**
- **hard or firm, keeping a clear shape**

• Chất rắn, thể rắn

**State**

/steɪt/

- (n) **a condition or way of being that exists at a particular time**
- (n) **a country or its government**
- (v) **to say or write something, especially clearly and carefully**
- (adj) **provided, created, or done by the state**

• Tình trạng; bang; phát biểu; được thực hiện bởi bang

**Uniform**

(adj)

/'juː.nə.fɔːrm/

- (n) **a particular set of clothes that has to be worn by the members of the same organization or group of people**
- (adj) **the same; not changing or different in any way**

→ **Uniformity (n)** /juː.nə'fɔːr.mɪ.ti/

→ **Uniformly (adv)** /juː.nə'fɔːr.mɪ.li/

• Đồng phục; đồng nhất