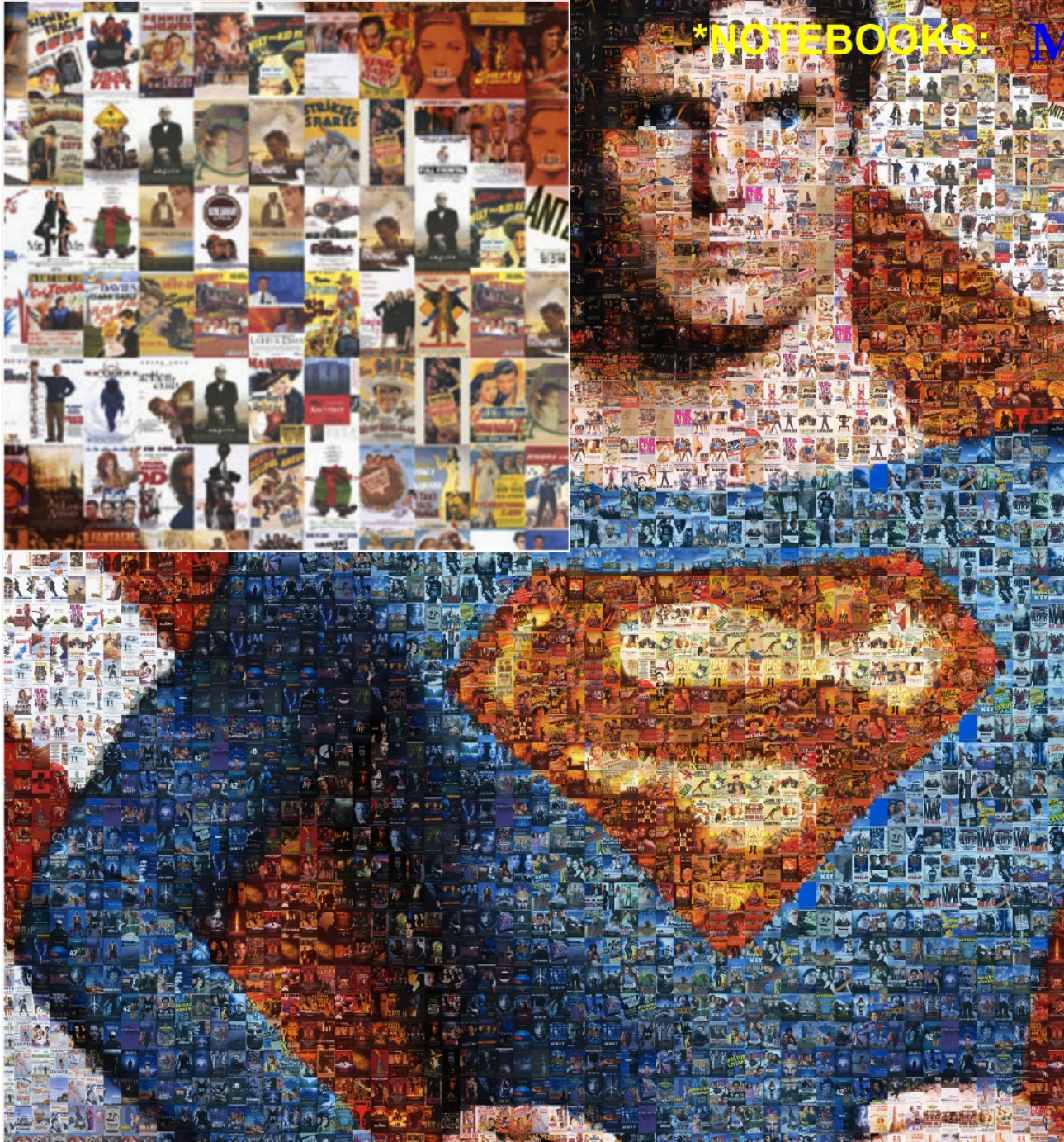


In your notebook:

Make sure you are copying and recording in
your **NOTEBOOKS** all
NUMBERED questions, answers, and
requirements.

The questions **NOT** numbered we will do on
WHITEBOARDS.

*NOTEBOOKS: Matter and Elements



1. What is the larger picture made of?

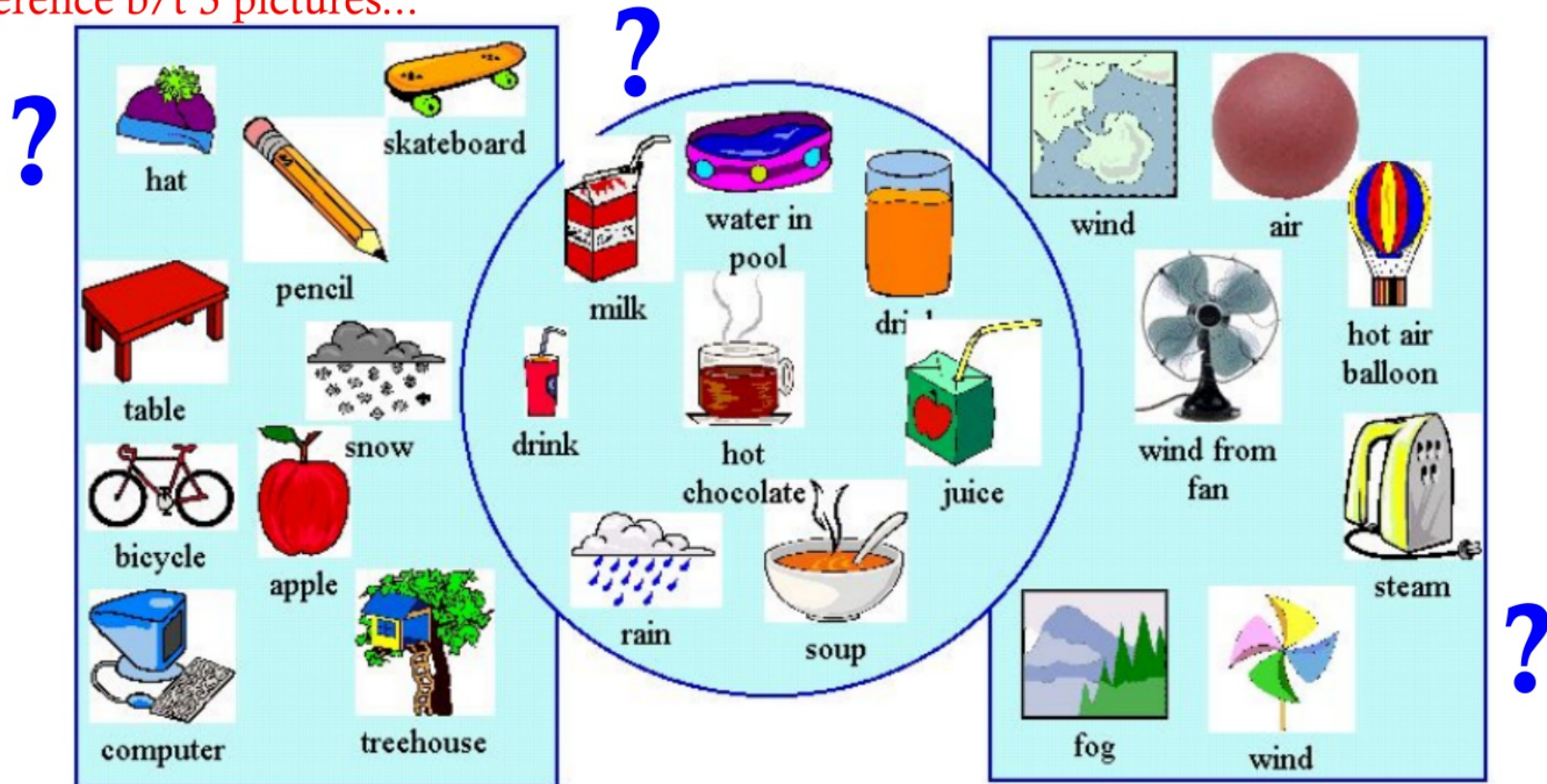
2. What do the smaller pictures have in common?

3. How are the smaller pictures different from one another?

4. Matter is anything that has mass and volume.

The universe is full of matter.

Difference b/t 3 pictures...



5. Brainstorm 5 different examples of matter.



On your group whiteboards,
write down as many examples
of matter that you can think of.

TAKE TURNS!

2 minutes

4 people: 30 seconds each

6. Matter is made of elements.

7. There are more than 100 elements that combine to make up all living and nonliving things.

what table do we use to display elements...

Cu 29

Copper

Atomic Radius: 145pm
Crystal Structure: Face Centered Cubic
Electron Shells: [Ar]4s¹
Atomic Weight: 63.546
Density: 8.920 g/cm³
Melting Point: 1084.62°C
Boiling Point: 2562°C
Electronegativity: 1.90
% in Universe: 0.0000060%
% in Sun: 0.000070%
% in Crust: 0.0068%
% in Oceans: 0.000000030%
% in Humans: 0.000%

WolframAlpha

10
20.180

Neon

Ag 47
107.87

Silver

79
Au
gold
196.97

*So,
why is the
superman
picture
a good analogy
for matter
and elements?*

THINK-PAIR-SHARE

9. Fill in the analogy:

Superman Picture: Matter as

the Individual Pictures: ??

Superman Picture: Matter

as

the Individual Pictures:

Elements

10. Think of your own analogy:

??????????????????????????????????????: Matter

as

?????????????????????????????????????: Elements

Example:

Bouquet: Matter as Flowers: Elements



Remember, there are many different types of elements*

Now, come to a group agreement, put on your whiteboard:

????????????????????????????????: Matter as

????????????????????????????????: Elements

Remember, there are many different types of elements*

Write and draw your analogy:

- Team leaders get paper and supplies.
- We are doing this as pairs.
- We are doing this on construction paper.
- Just write out your original analogy and decorate.

Example:

A Bouquet is to Matter AS flowers are to Elements

Remember, there are many different types of elements*

For tomorrow.....be thinking.....

If we know elements are the
building blocks of matter....

what are the building blocks of
elements??????