



Topic/Objective CHAPTER:

NAME:

Air

Pd: 1 2 4 5 other

DATE

Essential Question

What is Air?

Cue: Review:
Thoughts: Main Idea

NOTE Taking AREA:

Mr. Parr → Youtube video: "The Air Song."

- is a mixture of _____
- forms a protective _____
- recycled in the air
- Needed for ALL life
- is a fluid → Thus can be $\left\{ \begin{array}{l} \text{_____} \\ \text{_____} \end{array} \right.$
- contains:

Chemicals
of Air

78% _____ N₂ _____ 2% Oxygen _____

1% other Junk such as:

chief ingredients

water vapor H₂O (vapor)

Carbon dioxide CO₂

Carbon Monoxide CO

Noble gases → Ar, Ne, He, Kr

Methane CH₄

Use for
OXYGEN

Using Oxygen to release energy

- vital for plants and _____
- Carbon dioxide organisms recycle oxygen back.

Pollution

Pollution makes Air quality
_____ to us.

↳ Chimney _____ puts Ashes into Air

NOTES CONTINUE ON OTHER SIDE



Topic/Objective CHAPTER:

NAME:

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Cue: Review:
Thoughts: Main Idea

NOTE Taking AREA:

Ozone is in the air
- contains Atoms.

Air moves from (L) pressure to
(H) pressure

SUMMARY:

2



Topic/Objective CHAPTER:

NAME:

Air Masses

Pd: 1 2 4 5 other

DATE

Essential Question

What is a air mass?

Cue: Review:
Thoughts: Main Idea

NOTE Taking AREA:

air
mass

large volume of _____ that has the same characteristics;
(ex) humidity & temperature ← use this as it
source region - area over which an air mass forms.

*** 5 main types of air masses**

See notes
on wind

* Also see notes on "Wind"

Continental
air masses

- form over _____ & are _____
Lower case _____

maritime
air masses

- form over _____ & are _____
Lower case _____

Polar
air masses

- form over high latitudes & are cool/cold
UPPER case _____

Tropical
air masses

- form over low latitudes & are warm
upper case _____

Arctic
air masses

- form over polar regions & is very frigid
UPPER case _____

NOTES CONTINUE ON OTHER SIDE



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Cue: Review:
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NOTE Taking AREA:

types of air masses as they combine

Maritime
tropical

warm & moist mT

Maritime
polar

cool & moist

Continental
tropical

warm & dry

Continental
polar

cool & dry

Continental
Arctic

very cold & frigid cA

*

Cold Air mass has Higher Air Pressure than Warm Air masses

AIR MASS

Modification

air mass travels over land or water
it can acquire some of its
characteristics.

i.e.

cP moves over great lakes which are
warmer. The air mass gains
thermal energy and moisture. This
will produce LAKE-EFFECT SNOW

Lake effect
snow

[Continued]