METEOROLOGY CONCEPT MAP

METEOROLOGY

is the study of the gases that surround the Earth, also known as the

ATMOSPHERE

1.

is composed of 78%

2.

is composed of 21%

3.

is composed of 1%

layer where charged particles can be found is the

4.

lies in the layer furthest from the surface, or the

7.

lies in the "middle" layer, known as the

8.

layer containing ozone is the

5.

layer closest to the surface, and where weather occurs is the

6.

conditions at a given time and place is called

9.

is affected by the TOTAL kinetic energy of molecules in a system, or

is affected by the H$_2$O in the air, or

is affected by the weight of the air above objects, known as

10.

11.

12.

transferred through space is

17.

transferred through contact is

18.

transferred through circulation is

19.

source of all things, ultimately, is from the

13.

radiation entering the Earth's atmosphere is known as

14.

radiation causes an increase in the air's AVERAGE kinetic energy, which is its

enters the atmosphere and 70% is

15.

enters the atmosphere and 30% is

16.

is measured with a

20.

21.

measures temperature in units called

22.

radiation hitting liquid water causes

23.

process where liquid changes into a gas is

rises in the troposphere, cools and becomes a liquid. this process is

24.

forms ice crystals and water droplets that, once massive enough, fall as

25.

lands an on the surface and flows downhill, this is known as

26.

flows back into oceans lakes and streams where when heated enough, again undergoes the process of

of water vapor occurs at a temperature known as the

31.

content (actual) in the air is called

27.

amount air at a specific temperature can hold is its

28.

divided by capacity, gives the

29.

is measured with a

30. sling psychrometer

is due to molecules being pulled by the force of

differences cause

33.

associated with sunny skies is

decreases with increased

32.

34.

35.

is measured with an instrument known as a

37.

measures pressure in units called

38.

blows from high pressure to

36.