Midterm Review - Fill Ins by Topic

KEY

Observations are made using the $\frac{5uses}{}$.
Inferences are conclusions based on your observations.
Grouping Objects by observed characteristics is
Measurement is <u>Comparison</u> to a known <u>Standard</u> .
Mass is the amount of and is measured in Grans
Volume is the $\frac{Space}{}$ occupied by an object, measured in $\frac{mL \ or \ cm^3}{}$.
The formula for Density is Density = $\frac{Mass}{Volume}$ (3/cm ³) More dense objects $\frac{SiNk}{SiNk}$ in water, less dense objects $\frac{SiNk}{SiNk}$
Volume Cl. +
More dense objects SiNK in water, less dense objects TIGAT
As Pressure increase Density 1908S
As Temperature increases Density <u>deverses</u> ** except for water
SKETCH
Relationships Divert Balationalis
As X increases Y
Indirect Polationship
As X increases Y <u>Devolusos</u>
Constant Relationship
As X increases Y Stays the Scame
As X increases Y reported a partiern
Examples of cyclic relationships
Tides, Eclipses, Phases of Moon, Seasons, Path of Sun, Sunrise/Sunset

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The altitude of Polaris equals the <u>Latitude</u> of the Observer.
Polaris (North Star) is located directly above the North Pole (Earth's Axis)
Latitude is measured in degrees North of South of the Equator .
Longitude is measured in degrees <u>East</u> or <u>Wast</u> of the <u>Prime Meticlean</u> .
15° of Longitude = a One Host time change.
As you go East, time will
West Latitude lines are called <u>parallels</u> .
Earlier
East Longitude lines are called Merichans.
Later.
The Atmosphere is the Shell of gases held on by gravity.
The Hydrosphere is is covering % of the surface.
The Lithosphere is the Rocky Shell of the planet. (Crust and rigid Martle) plots
The only layer inside the Earth that is completely liquid is the
In this layer the Melting point is Lower than the temperature.
The Ashersphere (Plastic Martle) has partial melting and Convection Corrents.
The shape of the Earth is an Shate Sproud. because the Earth rotates.
The Earth is slightly <u>Flattened</u> at the poles and <u>bulges</u> at the Equator.
You would weigh
As distance between objects increases, Gravitational pull will <u>decrease</u> .
Isolines connect points of equal field value.
Isolines connect points of equal field value. The interval is the difference in field value between isolines. (2) Subtract Known lines (2) Count Spaces

The closer the isolines, the <u>Steeper</u> the <u>gradient</u> .
The closer the isolines, the Steeper the gradient. Contour lines form closed losps or hit the borders of a map.
To Estimate the higest possible elevation, Add the interval, then 505tact one.
To Estimate the lowest elevation, <u>Subtract</u> the interval, then <u>Add.</u> one.
Streams will always flow from higher elevation to lower elevation.
Streams will always flow from <u>higher</u> elevation to <u>lower</u> elevation. Contour lines will bend <u>Upstream</u> where crossing a <u>River</u> .
Stream flow is the direction of the bend in the contour line.
The topographic map below represents a coastal landscape. The contour lines show the elevations in meters.
River 50 100
188 Ocean
Cape Scale (kilometers)
Calculate the interval of the map. $\frac{50}{5} = 10M$ A plaintim 130M - 160M - 15 m/km
Calculate the gradient between points C and D. $g = \frac{\Delta e kint(a)}{distance} = \frac{130m - 160m}{2 km} = 15m/km$
What direction is the river flowing on Hill A. The stream flows to the Wist (EtoF)
What is the maximum elevation of Hill A. $\frac{140m}{150m} = 149m$
If you walked from point C to point E you would go then then
Put an X where the steepest slope is located. (Anywhere along the Tidge where the Lines are Closest together)

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