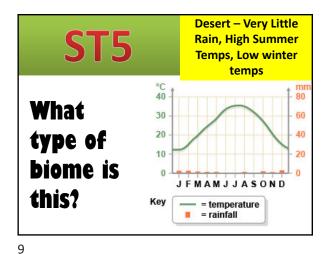
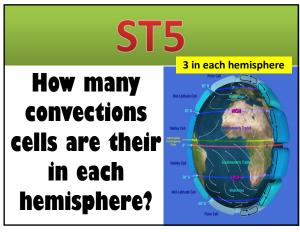


10

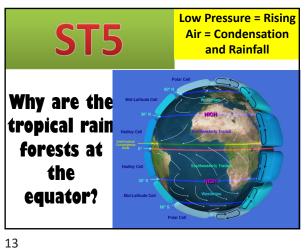


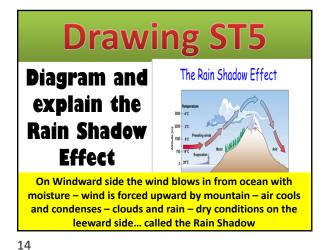
Drawing ST5 Northern Hemisphere Show the direction - Clockwise that the gyres (surface currents) flow in both the northern and southern hemisphere Southern Hemisphere – Counter clockwise

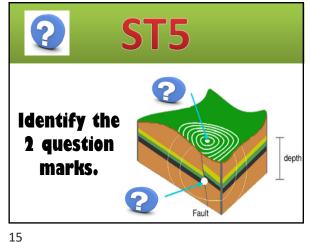


High Pressure = ST5 Sinking Air = Little Rainfall Why are their deserts at 30°N and 30°S?

11 12

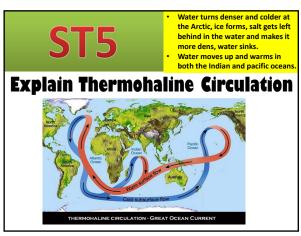






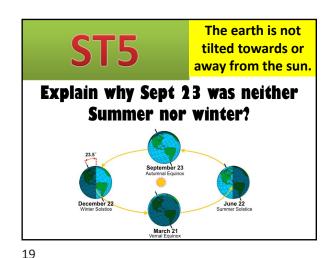
It takes less energy to ST5 heat up soil than water. Soil will heat up and cool down faster. **Explain what it means** to say that soil has a lower specific heat than water.

16



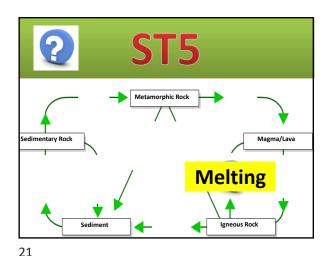
ST5

17 18



Explain the difference between Weather and Climate is what you expect.
Weather is what you get.

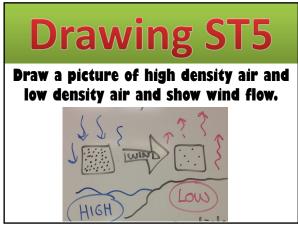
20



Night time- Land loses heat quickly because of its low specific heat. The water has a higher specific heat so it stays warmer. High pressure over water, low pressure over land creates and offshore breeze.

• Identify the time of day
• Explain the mechanics of this convection cell

22



Drawing ST5

Draw the Coriolis effects on air flow moving both towards the equator and towards the poles.

Air moving towards the EQUATOR is deflected WEST Air moving towards the POLES is deflected EAST

Drawing ST5

North Pole polar easterlies polar easterlies

Polar easterlies polar easterlies south Pole

South Pole

South Pole

South Pole

ST5

23 24

ST5

ST5

ST5

- Timing = P. S. Surface
- Destructive force = Surface, S, P P, S travel through the earth and Surface travels on the surface.
- P waves can go through liquid, S

What are the differences between P. S, and surface waves?

ST5

Along plate boundaries

Where do most earth quakes and volcanoes occur?

25

Predicts where natural hazards are

likely to be found

Why is it helpful to record past plate movements in the lithosphere?

26

ST5

- Make maps of high risk areas
- Locate fault lines
- Improve location and timing of
- **Establish building better building**

What are some ways to reduce earthquake hazards?

27

Can melt rock and convert it into something else

Is sedimentary rock becomes

What impact can heat and pressure have on rock?

28

ST5

Desert sand have a low specific heat and cannot hold warmth for very long

Why are nights so cold in the desert?

29

ST5

• 09

Which country has the highest coal reserves?

ST5

Divergent

What kind of boundary exists between the north American and Eurasian plates as they move apart?

31

32

ST5

Stratosphere and increases UV ray absorption.

ST5

Warm water cooling and sinking from the euphotic zone.

Where is the ozone layer located and what does it cause?

313

What is a thermohaline current?

33

34

ST5

60 degrees north and south where air pressure is sinking and there is little precin.

Where are grasslands generally located?

ST5

It cools down and sinks before it gets there.

Why does air rising at the equator not reach the poles?

35

ST5

ner

What do you call an areas short- term temp, precip and humidity?

ST5

nektor

You're out fishing and you catch a sword fish... you would most likely classify this as a species.

38