NAME: Mrs. Sjuts | **DATE:** Wed., Oct 27, 2021

TOPIC: E Transfer thru Earth's Systems
- Sm Group - Geo E Slides & Q's
- Lg Group - Discuss together

ESSENTIAL QUESTION: Obj 3 & 4 (Review) Obj 5: Internal & external sources of heat E in Earth's systems Obj 7: differential heating of earth's surface & atmosphere drives "convection" within earth's system.

QUESTIONS AND CONNECTIONS:

NOTES:

Small groups work thru Geo E Slides & Q's...

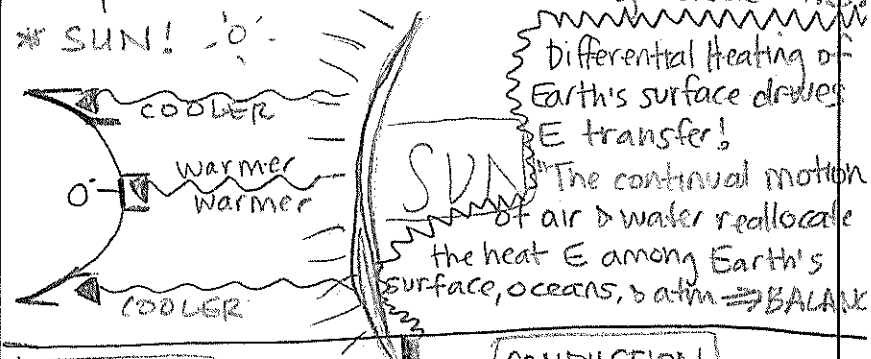
① What are the sources of Earth's heat?

A. Gravitational Contraction: as Earth's mass increased, gravitational contraction increased. That E was converted into thermal E

B. Decay of Radioisotopes: nuclear decay releases heat

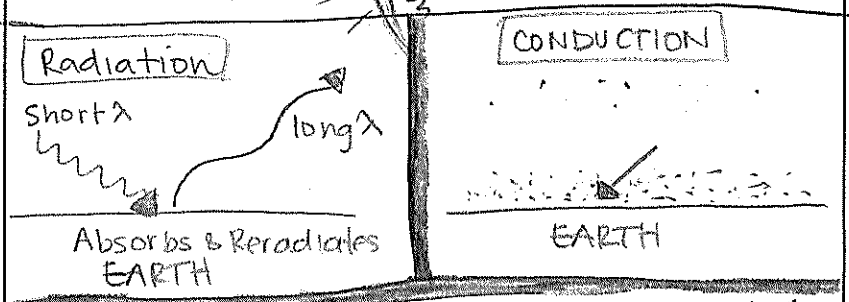
C. Impact of asteroids & meteorites generated T.E.

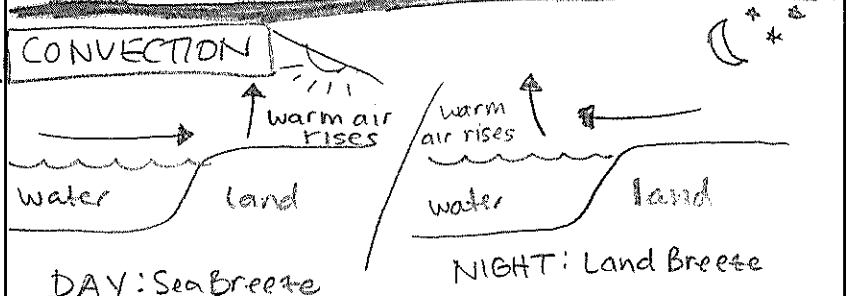
② Does the Sun heat the Earth evenly? Where is it the warmest? Coolest?



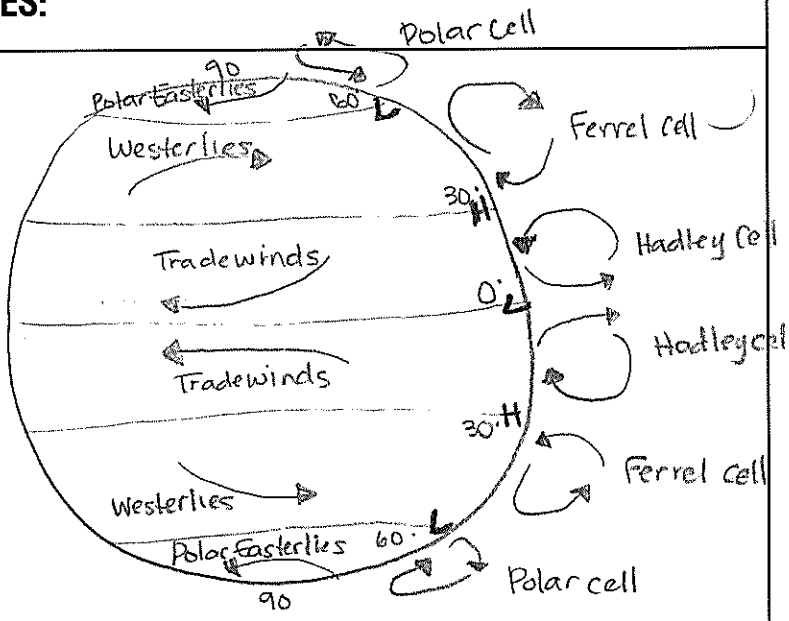
③ So why don't the poles get colder & the eq get hotter? (p. 300-301) GS. book

④ How is the E transferred? Where is conduction, convection & radiation on Earth?





more

QUESTIONS AND CONNECTIONS:	NOTES:
Why is there not one big convect. current?	 MORE CONVECTION: ALL THE CELLS ABOVE! Coriolis Effect: fluids in N. Hemi (right & in S. Hemi (left due to Earth spinning on axis (06j 8)

SUMMARY: