

NAME: _____

DATE: _____ PD: _____

UNIT 3: PLATE TECTONICS
SECTION 2: CONTINENTAL DRIFT NOTES

ALFRED WEGENER	
LIFESPAN	1880-1930
COUNTRY OF ORIGIN	GERMANY
OCCUPATION	
BIG IDEA	CONTINENTS HAD PREVIOUSLY ALL BEEN _____ IN ONE _____ NAMED _____ AND HAVE _____ APART FROM ONE ANOTHER AND ARE STILL DRIFTING AND WILL MAKE ANOTHER SUPERCONTINENT IN THE FUTURE. HE CALLED THIS IDEA _____.
FAMOUS/NOT FAMOUS?	WHILE LIVING, WAS _____ FOR HIS IDEA. BECAME FAMOUS ONLY _____ HIS DEATH

WEGENER'S EVIDENCE FOR CONTINENTAL DRIFT	
_____	_____ RANGES ON CONTINENTS SEPARATED BY THE OCEAN _____ UP
_____	THE TYPES OF _____ AT DIFFERENT DEPTHS AND AGES ON CONTINENTS SEPARATED BY THE OCEAN _____
_____	FOSSILS OF _____ THAT COULD _____ SWIM OR FLY ON CONTINENTS SEPARATED BY THE _____ MATCHED
_____	THE SHAPES OF THE CONTINENTS FIT TOGETHER LIKE GIANT _____ PIECES
_____	THERE IS EVIDENCE OF ANCIENT _____ IN AREAS THAT ARE TOO TROPICAL / _____ FOR THEM TODAY
_____	THERE IS _____ (FROM PLANTS) IN AREAS THAT ARE TOO _____ TOO SUPPORT PLANT LIFE TODAY
**PROBLEM!!!	WEGENER DID NOT KNOW WHAT CAUSED THE CONTINENTS TO MOVE, AND WITHOUT HAVING A _____, OTHER SCIENTISTS DID _____ BELIEVE HIM

MAGNETITE AND THE NORTH POLE

WHAT IS IT	_____ MINERALS FACE THE EARTH'S MAGNETIC _____ POLE WHEN THEY ARE _____ IN IGNEOUS ROCKS
WHAT'S THE PROBLEM	GEOLOGISTS FOUND LOTS OF MAGNETITE FACING _____ DIRECTIONS, _____ ALL POINTING TOWARD THE MAGNETIC NORTH POLE
WHAT COULD THIS MEAN	OPTION 1: THE NORTH POLE HAS _____ AROUND THE WORLD OPTION 2: THE MINERALS _____ FACING THE MAGNETIC NORTH WHEN THEY WERE FORMED AND THE _____ HAVE _____ SINCE THEY WERE FORMED OPTION 3: THE NORTH POLE _____ THE CONTINENTS HAVE MOVED
THE DECISION	BY _____ THE PLACEMENT AND DIRECTION OF ROCKS OF THE SAME AGE, SCIENTISTS DETERMINED THAT THERE HAS ALWAYS BEEN _____ NORTH POLE, AND THAT THE _____ HAVE _____ AROUND SINCE THE ROCKS WERE FORMED. SCIENTISTS CALL THIS _____.

WRITE THE CORRECT LETTER FROM THE DIAGRAM BELOW THAT MATCHES THE TIME PERIOD WHEN EARTH LOOKED THIS WAY

1. _____ : 150 MILLION YEARS AGO
2. _____ : EARTH TODAY

3. _____ : 225 MILLION YEARS AGO
4. _____ : 100 MILLION YEARS AGO



A.



B.



C.



D.