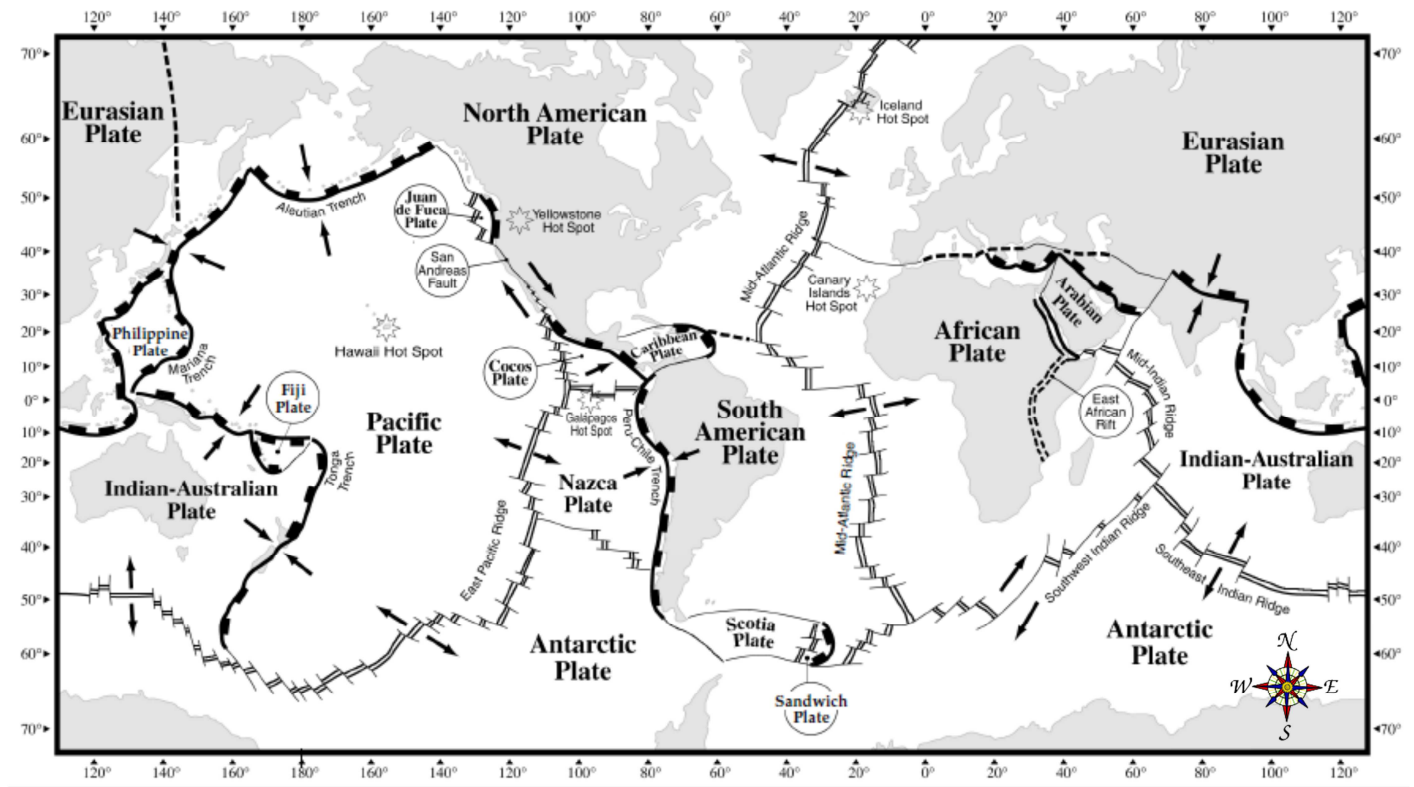


Name: _____ Date: _____ Period: _____

Tectonic Plates Map Worksheet

The tectonic plates map below is a valuable source of information to help you on the Earth Science Regents exam.



KEY:

 Divergent Plate Boundary (usually broken by transform faults along mid-ocean ridges)	 Convergent Plate Boundary (Subduction Zone)	 Transform Plate Boundary (Transform Fault)	 Complex or Uncertain Plate Boundary	 Relative Motion at Plate Boundary	 Mantle Hot Spot
 Mid-Ocean Ridge					

NOTE: Not all plates and boundaries are shown.

Directions: Use the map above to answer the questions below.

1. What plate do residents of New York State live on?

2. Using the key above, at what type of plate boundary do plates move away from each other?

3. How do plates move relative to each other at convergent plate boundaries?
4. At what type of plate boundary do tectonic plates slide past one another?
5. What type of plate boundary exists between the South American Plate and the Nazca Plate? Which is the overriding plate?
6. Which plate is the subducting plate at the Aleutian Trench?
7. What type of plate boundary exists between the Indian-Australian Plate and the Antarctic Plate?
8. What kind of plate boundary exists at the San Andreas Fault?
9. What kind of plate boundary exists at the Southeast Indian Ridge?
10. How are the African Plate and the South American Plate moving relative to each other?
11. How are the plates moving relative to each other at the Mid-Ocean Ridge?
12. On what tectonic plate is the Hawaiian Hot Spot?
13. Name the hotspot located on the African Plate.
14. What hotspot is located on the Equator?

15. Which tectonic plate is located at 30 degrees north and 40 degrees east?
16. In what direction is the North American Plate moving at the San Andreas Fault?
What direction is the Pacific Plate moving?
17. Over what "Ridge" is the Iceland Hotspot located?
18. Between what two plates is there a complex or uncertain plate boundary?
19. The Sandwich Plate is *sandwiched* between what two plates?
20. What kind of a landform is created at divergent plate boundaries? Give one example.
21. What kind of a landform is created at convergent plate boundaries? Give one example.
22. Are all of the tectonic plates and their boundaries shown on the map? Explain.

Answer Key

1. What plate do residents of New York State live on?

North American Plate.

2. Using the key above, at what type of plate boundary do plates move away from each other?

Divergent plate boundaries.

3. How do plates move relative to each other at convergent plate boundaries?

They move toward each other.

4. At what type of plate boundary do tectonic plates slide past one another?

Transform plate boundaries.

5. What type of plate boundary exists between the South American Plate and the Nazca Plate? Which is the overriding plate?

Convergent plate boundary. The South American Plate is the overriding plate.

6. Which plate is the subducting plate at the Aleutian Trench?

The Pacific plate.

7. What type of plate boundary exists between the Indian-Australian Plate and the Antarctic Plate?

Divergent plate boundary.

8. What kind of plate boundary exists at the San Andreas Fault?

Transform plate boundary

9. What kind of plate boundary exists at the Southeast Indian Ridge?

Divergent plate boundary

10. How are the African Plate and the South American Plate moving relative to each other?

They are moving away from each other.

11. How are the plates moving relative to each other at the Mid-Ocean Ridge?

They are moving away from each other.

12. On what tectonic plate is the Hawaiian Hot Spot?

The Pacific Plate.

13. Name the hotspot located on the African Plate.

Canary Islands Hot Spot

14. What hotspot is located on the Equator?

The Galapagos Hot Spot

15. Which tectonic plate is located at 30 degrees north and 40 degrees east?

The Arabian Plate.

16. In what direction is the North American Plate moving at the San Andreas Fault?
What direction is the Pacific Plate moving?

North American Plate = Northwest. Pacific Plate = Southeast.

17. Over what "Ridge" is the Iceland Hotspot located?

Mid-Atlantic Ridge

18. Between what two plates is there a complex or uncertain plate boundary?

The Eurasian and North American Plates

19. The Sandwich Plate is *sandwiched* between what two plates?

The Scotia and South American Plates

20. What kind of a landform is created at divergent plate boundaries? Give one example.

Ridge. The Mid-Atlantic Ridge.

21. What kind of a landform is created at convergent plate boundaries? Give one example.

Trench. The Tonga Trench.

22. Are all of the tectonic plates and their boundaries shown on the map? Explain.

No. The key points this out in the lower right hand corner.