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National Council for
Geographic Education

Three for Three

Week 17, Unit 4
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A SUPPLEMENT TO THE WEEKLY APHG BELL RINGERS SERIES
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Bumper Words: First Semester Review

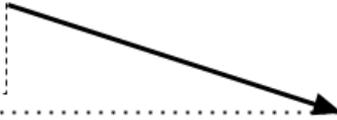


satellite navigation systems

census

remote sensing

GIS



age

sex

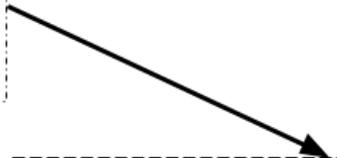
crude birth rate



_____ migration

natural increase rate

crude death rate



_____ relocation diffusion

language

religion

Find the word in the top box that is the **least** related to the other three. “Bump” that word to the second box, then find the word from the second box that is least related to the other three & “bump” it to the third box. Do the same with the words in the third box. How are the words in the fourth box related? Be prepared to explain your reasoning for all your answers.

The Function of Political Boundaries Topic 4.5



Match the ways in which boundaries may be identified to the correct type:

- | | | |
|--|--------------|---------------|
| 1. defined | 2. delimited | 3. demarcated |
| a. lines are drawn on a map | | |
| b. objects such as signs are placed on the landscape | | |
| c. established in a legal document such as a treaty or property survey | | |

Determine whether these boundaries are *defined*, *delimited*, or *demarcated*:

1. a fence around someone's house
2. a sign on a door
3. a map of North America
4. the Treaty of Oregon that established the boundary between Canada & the US in the west at the 49th parallel
5. parking space lines
6. a property survey (written document showing the boundary between your & your neighbor's house)
7. a map of the nearest metropolitan area

The Function of Political Boundaries Topic 4.5



Africa - ethnic homelands and national borders



1. What type(s) of boundaries were used by the European colonial powers?
2. In the map on the right, the orange areas indicate where ethnic groups were split. Does ethnic diversity within a state act as a centrifugal or centripetal force? Why? What data could you use to determine to what extent your answer is correct?

IDEAS FOR SLIDES

SLIDE 1 Bumper words is a fun strategy to help students review vocabulary. Have students work with a partner to complete this activity. *Census* should get bumped to box 2 (the other three words are examples of *geospatial technologies*); *crude birth rate* should get bumped to box 3 (age and sex of household members are recorded in a census); and *migration* should get bumped to box 4 (CBR & CDR are used to determine the natural increase rate; these three rates are used to determine a country's state in the demographic transition). The words in the fourth box are related to cultural diffusion. Language & religion are culture traits historically spread through relocation diffusion. Challenge students to choose a vocab word from unit 4 that is related to the words in box 4.

SLIDE 2 1. c 2. a 3. b defined: 4, 6 delimited: 3, 7 demarcated: 1, 2, 5
You might also ask students to discuss advantages & disadvantages of each type of boundary; for example, an advantage of demarcation is that it can be relatively easy to change a demarcated boundary. You can also suggest students who finish early think of ways to remember each type of boundary; for example, *defined* contains the root word *fin*, meaning *end*, and generally, legal documents (such as those establishing defined boundaries) have the "last say." Have students share their ideas with the class.

SLIDE 3 sources: 1914 map: <https://www.economist.com/node/347120>
ethnic group boundaries & state borders: <https://www.dw.com/en/130-years-ago-carving-up-africa-in-berlin/a-18278894>
Use this slide to teach 4.B.2. IMP. Begin by asking students what patterns they notice & what questions they have. Use the first map to discuss the chronology & circumstances of the Berlin Conference and World War I. 1. superimposed (be sure to discuss why they are not antecedent borders--ethnic groups lived in places borders were drawn--their presence was ignored; many are geometric) 2. Ethnic diversity tends to act as a centrifugal force for a few reasons, one being that not sharing a common language makes conflict resolution difficult. You could look at the number of civil wars & the number of languages to validate this statement.

A map of African kingdoms before the Berlin Conference can be found at this URL:
<https://www.timemaps.com/history/africa-1871ad>



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