



LEARNING STATION No. 5

Socio-environmental issues

Group: _____

Overview of Brazil: natural resources

1. How does the distribution of soil occur in Brazil? Write the area and the percentage (in relation to the total) occupied by agriculture, cattle raising and by forests and/or native vegetation. If you prefer, make a table.
2. Complete Table 1 with the distribution of freshwater reserves among Brazilian regions.

Table 1 - Freshwater reserve in Brazil

Region	Quantity (in %)
North	
Northeast	
Midwest	
Southeast	
South	

Source:

3. Brazilian agricultural and livestock production is quite unequal. IBGE data from 2006 affirm that only 8% of rural properties are responsible for 85% of the value produced (IBGE, 2006). In other words: 420 thousand farms generate this amount, while other 4.7 million provide only 15%. What are the historical and social assumptions of this imbalance?
4. Which countries lead the world *ranking* in the use of fertilizers and pesticides? In which position is Brazil?
5. Name the main social and environmental consequences of pesticide use.
6. What are the main sources of greenhouse gases in Brazil? Briefly describe the effects of global warming on food production (consider short, medium and long term).
7. What are transgenics? Does Brazil produce transgenic food? If yes, which ones?
8. Evaluate the controversies associated with GM foods, highlighting potential potentials and dangers.
9. Brazil has five biomes in its territory: Amazon, Caatinga, Cerrado, Atlantic Forest, Pampa and Pantanal. The agricultural and cattle raising activity is concentrated in which one(s) of them? Write briefly about the risks to the preservation of these biomes associated with the sector.

References¹ IBGE. 2006 Agricultural and Livestock Census. Rio de Janeiro: IBGE, 2006. Available at: https://biblioteca.ibge.gov.br/visualizacao/periodicos/51/agro_2006.pdf. Accessed on: 28 mar. 2022.

¹ Insert the references used, according to the ABNT norms.