

**Tutorial N°3**

**Each item contains one or more true or false statements.**

**For each statement indicate T = true or F = false**

<b>QCM 1: The demographic challenge requires:</b>	
A-	to increase animal production
B-	to convert global agriculture to GMO
C-	to increase agricultural yields
D-	not to change consumption habits
<b>QCM 2: A natural ecosystem is made up of:</b>	
A-	energy flow increases from primary producers to consumers
B-	plants use part of the organic molecules produced by photosynthesis to increase their biomass
C-	the circulation of matter and energy can be described by the productivity pyramid
D-	decomposers transform organic matter into mineral matter
<b>QCM 3: In a natural ecosystem:</b>	
A-	energy flow increases from primary producers to consumers
B-	plants use part of the organic molecules produced by photosynthesis to increase their biomass
C-	the circulation of matter and energy can be described by the productivity pyramid
D-	decomposers transform organic matter into mineral matter
<b>QCM 4 : Agrosystems provide :</b>	
A-	food only
B-	food and other products
C-	plant-based foods
D-	foods of plant and animal origin
<b>QCM 5: In an agrosystem:</b>	
A-	biomass is exported for human food
B-	the flow of recycled organic matter is very important
C-	the overall yield does not depend on photosynthesis but on the supply of inputs
D-	determine productivity
<b>QCM 6: In an agrosystem:</b>	
A-	the biocenosis is richer than in a natural ecosystem
B-	decomposers fully recycle the organic matter produced
C-	human intervention is not necessary
D-	part of the material produced is exported
<b>QCM 7: Breeding:</b>	
A-	consume a lot of land and water
B-	are a good solution for human food
C-	do not pose any problems if they are carried out far from us
D-	reduce nutrition problem
<b>QCM 8: Consuming meat requires using:</b>	
A-	more inputs
B-	fewer pesticides
C-	less agricultural land
D-	less water

<b>QCM 9: The production of 1kg of beef generates</b>	
A-	the same energy cost as 1 kg of wheat
B-	resource costs much higher than 1 kg of wheat
C-	the same water cost as 1 kg of wheat
D-	a lower surface cost than 1 kg of wheat
<b>QCM 10: Meat production has been increasing for 50 years because:</b>	
A-	all countries have an increase in meat nutrition
B-	industrialized countries have stagnant or decreasing consumption while certain developing countries have very high consumption
C-	industrialized countries have increasing consumption unlike developing countries
D-	I don't know

*We wish you good luck*