Multiple Choice on Biogenetics

1	Fill in the bla	nks with the	e appropri	ate wor	d or phra	se from	the wo	rd bank pr	ovided.	/ 14	
	Biotechnolog	y cloning	controver	sial D	NA DNA	fingerpi	rinting	Embryoni	c stem cells		
	Epigenetics	ethnologica	al concern	fertile	Fertility	gene	geneti	c disorder	Genetics		
	manipulation										
	is a science field involving the										
	of living organisms or their components to produce valuable products. The process of creating an exact										
	genetic replica		. Cloning has been a								
			t	opic due	e to ethica	l and mo	oral con	cerns surro	unding the c	loning of	
	humans.				, or deoxy	ribonucl	eic acid,	, carries the	genetic inst	ructions	
	for all known organisms' development, functioning, growth, and reproduction.										
			i	s a techr	nique used	d to iden	tify and	analyse the	e unique patt	erns in	
	an individual's	DNA.				are plu	uripoter	nt cells deriv	ed from the	inner	
	cell mass of a blastocyst, an early-stage pre-implantation embryo.										
	is the study of heritable changes in gene expression or cellular phenotype caused by mechanisms other										
	than changes i	n the under	lying DNA s	equence	e. There is	an					
	regarding the	unequal dist	ribution an	d use of	biotechn	ological a	advance	ements acro	ss different (ethnic	
	groups. A	individua	dividual is capable of producing offspring.								
			r	efers to	the ability	of an or	rganism	to reprodu	ice. A		
			i	s a unit (of heredit	that is t	transfer	red from a	parent to off	spring	
	and is held to	determine s	ome charac	teristic (of the offs	pring.				is the	
	study of genes				is a genetic	condition					
	caused by abnormalities in an individual's DNA										

Englisch Seite 1/2

text continued ... / 11

Genetic engineering Genetic modification genome GM (genetically modified) food											
In vitro fertilisation laboratory O	rgan donation Soc	cial egg freezing	Surgery								
To implant something into Xenotra	ansplantation										
	is the process of a	tering an organis	m's genetic make	eup using							
biotechnological methods.		have had	d their genetic ma	aterial altered in							
a way that does not occur naturally through mating or natural recombination. The complete set of genes or											
genetic material present in a cell or organism is referred to as its											
	refers to crops tha	t have been mod	ified using geneti	ic engineering							
techniques.	involve	es placing an obje	ect into a particul	ar place,							
especially when talking about placing an object into a living organism.											
involves fertilising an egg with sperm outside the body in a laboratory setting. A											
	is a medical profes	ssional trained to	perform surgical	procedures.							
	is the branch of m	edicine that invol	ves treating disea	ases or injuries							
by operative procedures.		is a proce	ss where a woma	n's eggs are							
extracted, frozen, and stored for futur	re use.		involves	s transferring an							
organ from one body to another for the purpose of replacing a damaged or failing organ.											
	is the transplantat	ion of living cells,	tissues, or organ	s from one							
species to another.											
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			Points:	/ 25							

Englisch Seite 2/2