



## MEDICAL APPLICATIONS



PAGES 253 TO 263

Complete this concept review handout and keep it as a record of what you have learned.

### VACCINATIONS

#### Definitions

- Immunity is \_\_\_\_\_  
\_\_\_\_\_
- A vaccine is \_\_\_\_\_  
\_\_\_\_\_

#### Types of vaccines

Vaccine	Manufacturing method	Feature
_____	Cultures of the infectious agent are chemically treated.	The infectious agent is still alive.
_____	Only antigens of the infectious agent are used.	_____ _____ _____

#### Benefits and concerns

##### Benefits

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##### Concerns

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### TREATMENTS FOR INFERTILITY

#### Definition

Assisted reproduction refers to \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**TREATMENTS FOR INFERTILITY (CONT.)****Assisted reproduction techniques**

Technique	Description
Ovarian stimulation	<hr/> <hr/> <hr/>
Artificial insemination	<hr/> <hr/> <hr/>
In vitro fertilization	<hr/> <hr/> <hr/>
Fertilization by microinjection	<hr/> <hr/> <hr/>

**Concerns**


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**TISSUE AND ORGAN ENGINEERING****Definitions**

- Specialized cells play \_\_\_\_\_  


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- A stem cell is \_\_\_\_\_  


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**Concerns**


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