

# A Stem Cell Story: Quick Quiz

## 1. What is a stem cell?

A cell that can make copies of itself AND make more specialized types of cell	A
A cell that helps to fight against infections	B
A cell that is specialized	C
A cell that can produce all the cell types of the body	D

## 2. Where can scientists obtain stem cells?

Only from an embryo	A
Only from tissues in the body	B
Only from the brain	C
From an embryo or tissues in the body	D

## 3. Embryonic stem cells can differentiate into which types of cell?

Only brain stem cells and specialized brain cells	A
All types of specialized cells	B
Only cells that can produce insulin	C
Only cells that can produce artificial skin	D

## 4. Neural stem cells from the brain can differentiate into which types of cell?

Only specialized brain cells	A
Specialized brain cells and specialized skin cells	B
All types of specialized cells	C
Only specialized blood cells	D

## 5. In the treatment of burns, scientists can use stem cells to help them replace...

All parts of the patient's skin	A
Hair follicles and sweat glands	B
The outermost layer of the skin	C
All parts of the skin except sweat glands	D

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### 6. What are cells 'fed' when they are grown in a lab?

Antibodies	A
Proteins and sugars	B
Salts	C
Other cells	D

### 7. A blastocyst is...

A very early stage embryo	A
A type of stem cell	B
Part of the blood system	C
A type of brain cell	D

### 8. When are blastocysts created in a laboratory?

At weekends	A
When blood supplies are low	B
During fertility treatment	C
Whenever scientists are studying cells	D

### 9. What are the roles of stem cells in our bodies?

We are not sure what roles stem cells play in the body	A
They produce new specialized cells to replace cells that die or are used up	B
They fight against infections	C
They perform specialized roles in the body (e.g. produce insulin, transmit signals in the nervous system, ...)	D

### 10. What are stem cell scientists investigating today?

When and how embryonic stem cells make decisions to produce more specialized cells	A
How stem cells work in the body	B
How stem cells might be used to treat disease	C
All of the above	D