



name: _____

date: _____

period: _____

Are people actually being frozen for the future?

After reading the article, answer the following questions.

I. How do you sign up to have your body frozen? What will happen? Fill in the blanks to complete the steps. Use the words and numbers from this answer bank.

cryonics cryoprotectant cryo-doctors cells 150,000 -120 -320 heparin propanediol
brain heart coagulate permeates ice dry ice

1. Sign up with the company who will freeze your body and pay them \$_____.
2. If you are in the hospital and ready to die, the _____ spring into action.
3. When you are "legally dead," meaning your _____ has stopped, the team connects your _____ to a machine that will supply it with blood and _____ to keep it as "fresh" as possible. They also inject _____ so your blood does not _____. Your body is packed in _____ and shipped to the _____ facility.
4. To keep the _____ in your body from bursting when they freeze, a _____ such as _____ is pumped into your bloodstream, which surrounds and _____ your cells.
5. Your body is then placed in a bed of _____ and cooled to _____ °F.
6. Finally it is deep frozen at _____ °F in a vat of liquid nitrogen.

II. Short Answer

7. What are three problems that will need to be solved before a cryonaut is brought back to life?
 - a.
 - b.
 - c.
8. So far, 600 people have signed up to become a cryonaut. How about you? Would you consider joining this group? In your response, include reasons for your decision.