

Unit 2: How can we get to Mars?

Name _____

“Should we go and how could we go as efficiently as possible?” **Date** _____ **Pd.** _____

1. Give 3 arguments that Robert Zubrin makes for why mankind should go (or already have gone) to Mars (*don't rush to get them in the very beginning – he goes into detail on each later*).

1)

2)

3)

2. **Describe** 2 aspects of NASA's initial “90 day report” strategy for going to Mars that were ridiculous and wasteful.

1)

2)

3. **Describe** 3 aspects of Zubrin's “Mars Direct” plan for going to Mars that are much more logical, cost-effective and efficient.

1)

2)

3)

4. Extended periods of “weightlessness” (or microgravity) are known to have great negative effects on astronauts, like loss of muscle mass (especially the heart) and reduce bone density. How does Zubrin's plan remedy this?