

propionyl CoA formed oxidation of fatty acids having an odd number of carbon atoms is converted into

- Acetyl CoA
- Acetoacetyl CoA
- D-Methylmalonyl CoA
- Butyryl CoA

Which of the following is an example of substrate level phosphorylation?

- $1,3 \text{ bisphosphoglycerate} + \text{ADP} \rightarrow 3 \text{ phosphoglycerate} + \text{ATP}$
- $\text{PEP} + \text{ATP} \rightarrow \text{pyruvate} + \text{ATP}$
- $\text{succinylCoA} + \text{ATP} + \text{Pi} \rightarrow \text{succinate} + \text{CoA} + \text{ADP}$
- $\text{glucose} + \text{ATP} \rightarrow \text{Glucose-6-phosphate} + \text{ADP}$

A 13-year-old boy from India was brought to the emergency room with a prolapsed rectum. Examination of the rectum reveals small worms that resemble whips attached to the mucosa. A stool sample reveals eggs that are barrel shaped, with bipolar plugs. Which of the following is the most likely cause?

- Giardia lamblia
- Echinococcus granulosus
- Entamoeba histolytica
- Trichuris trichiura