

4 Clean Energy on the Seas: Understanding Biofuel

Marine Month
IN CANADA

Answer to Activity 1

Calculate the reduction amount:

- *Reduction in CO₂ emissions = 100 tons × 0.30*
- *Reduction in CO₂ emissions = 30 tons*

Calculate the new CO₂ emissions using biofuel:

- *CO₂ emissions with biofuel = 100 tons – 30 tons*
- *CO₂ emissions with biofuel = 70 tons*

Therefore, if the ship uses biofuel instead of fossil fuel, it would produce 70 tons of CO₂ on the same trip.