

Mouse Trap Car PROJECT → Worksheet

ENERGY CONVERSIONS [25 pts.]

- 1) Energy conversion #1 taking place within your mouse trap car:

Explain this conversion.

- 2) Energy conversion #2 taking place within your mouse trap car:

Explain this conversion.

- 3) Energy conversion #3 taking place within your mouse trap car:

Explain this conversion.

PHYSICS CONTENT [25 pts.]

1) Friction

- 1) Definition:

- 2) How does this apply to your vehicle?

- 3) What would you change to improve your car?

2) Inertia

1) Definition:

2) How does this apply to your vehicle?

3) What would you change to improve your car?

3) Momentum

1) Definition:

2) How does this apply to your vehicle?

3) What would you change to improve your car?

4) Torque

1) Definition:

2) How does this apply to your vehicle?

3) What would you change to improve your car?

5) Power

1) Definition:

2) How does this apply to your vehicle?

3) What would you change to improve your car?