## Chapter 2: Questions for Velocity vs. Time Graph

1. The maximum speed of the object is $\qquad$
2. The maximum velocity of the object is $\qquad$
3. The total time that the object is stopped is $\qquad$
4. What is the velocity of the object at:
(a) $\mathrm{t}=25 \mathrm{~s}$ ? $\qquad$
(b) $\mathrm{t}=85 \mathrm{~s}$ ?

- $12 \mathrm{mis}, \mathrm{h}$

5. What is the acceleration of the object at:
(a) $t=5 \mathrm{~s}$ ?

6. How much time is spent by the object traveling east?
 west?

7. What is the final displacement of the object? $\qquad$
8. What is the total distance traveled by the object? $\qquad$ 1870 m
9. What is the average velocity of the object during the 150 s trip? $\qquad$ $1.27 \mathrm{~m} / \mathrm{s}, E$
10. What is the average speed of the object during the 150 s trip? $12,5 \mathrm{~m} / \mathrm{s}$ 11. What is the average acceleration for the object between 25 s and 125 s ? $0.080 \mathrm{~m} / \mathrm{s}^{2}$, $E$ 12. What is the average velocity of the object between 45 s and 95 s ? $\frac{16,8 \mathrm{~m} \mathrm{~W}}{\mathrm{~s}}$
