

Name _____

Date _____ Per _____

GoldenEye

1. Which country does this movie take place in (6)?
2. Freefall: James jumps off and falls for 25 seconds. What is his speed now? (8)
3. What does he set the explosive's timer to (12)?
4. When James chases the plane on his motorcycle, who falls the fastest: James, motorcycle, or plane?
_____. Does this make sense from the Physics you know (14)? _____
Why or why not?
5. When the red Ferrari drives off the road, what Newton's Law explains why the car keeps turning?
.....
What stops the turning? (20)
6. What does James see parked on top of the boat (27)?
7. The presentation is for the first prototype of the "Tiger helicopter." It is not susceptible to
_____ interference (31).
8. There are 2 satellites, Mishka and Petya. (Remember OCTOBER SKY?)
"They run a _____ min earth orbit at _____ km" above the earth surface (36).
9. What did Mr. Tanner find in the middle of Russia (42)?
10. Xenia shoots at the air conditioning. Where did Natalya actually hide (43)?
11. EMP stands for electromagnetic _____.(48)
It is a radiation surge that destroys anything with an _____ circuit (48)
12. Q says that James has a license to kill, but not to break _____ (56)?
13. How many clicks does it take to arm and disarm the pen grenade (57)?
14. What tool did they finally use to restart his car (1:00)?
15. Natalya meets with Boris in the church. Who is he now working for (1:03)?
16. Who does James find at the junkyard (1:13)?
17. How did James and Natalya get out of the helicopter (1:17)?
18. Freefall: If the ejector seat was in the air for 8 seconds, what was its initial velocity when ejected?
(remember tennis ball lab).....
19. When James jumps through the window, he lands on something soft. What does this have to do with Impulse
(1:24)? (force? time?)
20. During the car chase there are lots of collisions. (1:25) Give an example below of:
-Elastic collision
- Inelastic collision.....

21. James hits a flying horse statue. Use Newton's 1st Law (inertia) to explain how the horse ended up on his car (1:29)?
22. When the police car the the horse come to final stop, what kind of collision was that (1:30)?
23. When we have the train/tank collision, which one had more momentum (1:33)?
WHY?
24. When we have the train/tank collision, which one had more impulse (1:33)?
WHY?
25. Where in the world is Boris hiding (1:37)?
26. James use laser to cut a hole out of the train. What kind of energy is a laser? (1:38)?
27. What are they looking for in the jungles of Cuba (1:41)?
28. Use Newton's 1st law to explain why the plane finally stopped (1:46)?
29. When Xenia rapels down the helicopter, when does she have... (1:47)
The most PE -
The most KE -
30. What is hidden inside the lake (1:50)?
31. When they slide down the lake, they gain speed. Their _____ energy increases(1:52).
32. What city is the bad guys next target (1:53)?
33. Why does Bond keep watching Boris click the pen (2:00)?
34. What simple machine moves the antenna on the dish (2:02)?
35. When 006 Alec falls off the transmitter, he gains _____ m/s of speed every second. (2:08)
36. When Alec lands on the dish, he experiences: "energy? acceleration? impulse? force? work? power"
Pick 3 from the above list that applies and explain WHY
- 1.)
- 2.)
- 3.).....