

NAME _____ DATE _____ PER _____

BILL NYE: FRICTION VIDEO

electrons *knot* *friction* *slows down* *heat* *space* *heat it up*
pick up *less* *sticky* *slippery* *less* *water* *rubbed*
rough *more* *on the track* *reduces* *track* *wheels* *heat*
chirp *bump*

1. Friction is a force that results whenever two surfaces are _____ together.
2. Friction turns work into _____.
3. If you tie a _____. It's held together by friction.
4. Friction _____ moving things and turns motion energy into _____.
5. In _____ there is almost no friction.
6. Your fingerprints are necessary for you to _____ things.
7. Friction comes from _____.
8. The more electrons repel each other the _____ friction there is.
9. When skis or skates slide over ice or snow the friction creates a layer of _____ which _____ friction.
10. Friction is necessary when you are on a bike to stay _____.
11. Cleats or spikes on shoes make _____ friction because they provide a _____ surface.
12. Rolling friction is _____ than sliding friction.
13. Ball bearings purpose is to create _____ friction.
14. In order for a train to move on the tracks there must be friction between the _____ and the _____.

15. Heat shields on a space craft are necessary when it reenters the earth's atmosphere because at the high speed of entry air will

_____.

16. Crickets use friction to _____.

17. Mucous on slugs is remarkable because it's both _____ and

_____.

18. When air molecules _____ into each other they cause friction.