

2014 ESO Simple Machines Test Answer KEY

1	Wheel & Axel
2	Lever
3	Screw
4	Inclined Plane
5	B – Force
6	D – an Axel
7	B – Move the fulcrum closer to the load
8	A – is always less than 100%
9	A – output force is 4 times the effort
10	D – B=resistance; A=fulcrum; C=effort
11	C – 4
12	Class One
13	Shorten it or move elephant much closer to middle
14	Not changing
15	pulley
16	Lever
17	B. Long
18	Inclined plane and wheel and axle
19	lever
20	5 or 6 units, they may say inches
21	harder
22	pulley
23	B. 50 lbs
24	lever
25	A. Resistance force
26	E.
27	A.
28	Lever and wheel and axle
29	The lever part makes it easier to turn