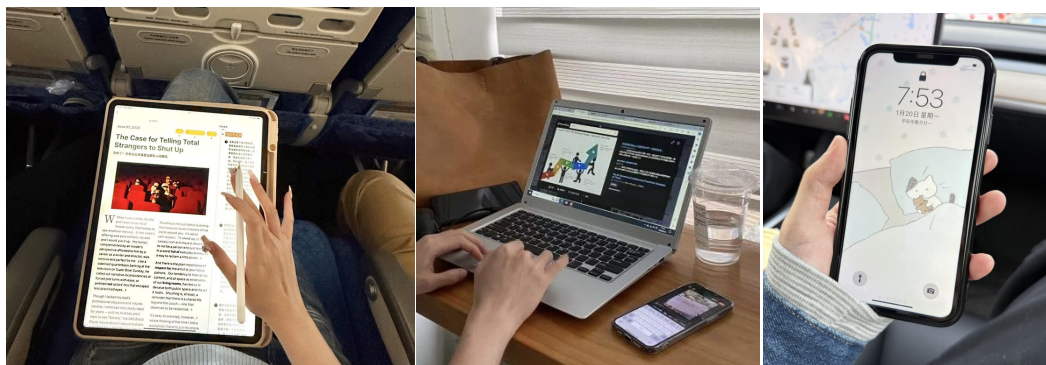


Affordance, popularized by design psychologist Don Norman, refers to how an object's physical attributes visually suggest its intended use to users—such as a handle implying “pull” or a button implying “press.” When comparing the three device categories, smartphones' core usability lies in portability and immediacy. They support one-handed operation, primarily through thumb interaction. The vertical, narrow-screen design facilitates quick interactions and information consumption. Its portability enables use across diverse scenarios and environments—while walking, waiting in line, or lying in bed. Tablets occupy a middle ground. They lack the phone's portability and the laptop's stability. Yet their expansive, flat glass surface supports index-finger or stylus interaction, making them naturally suited for direct drawing and doodling. Its usage environment is constrained by the habitual book-like grip, making it an ideal medium for reading or watching videos. However, the absence of a physical keyboard renders it unsuitable for extensive text input. The laptop's clamshell design provides stability and productivity. Its substantial base allows the screen to stand upright without support. The physical keyboard and touchpad enable precise and efficient data entry, making it well-suited for lengthy writing tasks. The horizontal screen layout supports complex file management and multi-window layered operations. In summary, smartphones offer unparalleled convenience due to their pocket-sized form factor, ideal for on-the-go fragmented interactions and photography; tablets' touchscreen interface suits direct reading and drawing with fingers or styluses; while laptops' sturdy hinge structure and physical keyboards deliver productivity and precise input capabilities, making them the optimal platform for deep work and multitasking.



Feature	Mobile Phone	Tablet	Laptop
Physical Form	Palm-sized, vertical	Slate/Book-sized, flat	Clamshell, heavy base
Affordance	Quick checks	Directly touching content	Creation, typing
Postural Affordance	Walking, Standing, Lying down	Sitting, Reclining	Sitting at a desk