GOOGLING

Most of us know that Google is a search engine. (And we all use it, right? All the time.) When Larry Page and Sergey Brin launched the company in 1998, it was just that. But now? Here's a look at some of the many ways Google uses Big Data to help us—and

called, so if someone has a work, home, and mobile phone, that's three messages you have to leave. If you call the person's Google Voice number, the message goes to all three devices.
Or, depending on who you are to the person you're calling, your call may be sent only to the work phone, or even be blocked altogether! The service also transcribes the voice message and lets you return a free text quickly

The query travels to



The query is sent to 1

WHAT HAPPENS

WHEN YOU GOOGLE? Like most search engines, Google is continually "crawling"

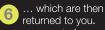
through the web, cataloging and

storing billions of pages. When you search for something, the system calls up these cached

pages so that it can respond

1 You enter a query

5 Snippets are generated







The company is developing the concept of "presence." It used to be that we were either "on" (green) or "off" (red). But increasingly, we are always "on"—online or reachable in some way. What that continual presence **OCTOPUS ELEPHANTIS** GOOGLE ought to be, however, is all shades from green to red. We need an algorithm that sorts out who you want to talk to depending on who the caller is, the nature of the call, and the time of day. **GOOGLEPLEXUS** has its tentacles in everything Google sees an opportunity here that is similar in scale to that of 15 years ago, with simple searches. and forgets nothing. (But it doesn't want to know The next generation of human contact being developed **50%** of all Internet users your name.) is the management of people's attention: to give back moments in our lives, to let people choose how to spend their time, to avoid the bombardment of ads at times when they are not useful, and to be served ads when appropriate, not interruptive. worldwide use Google every day 7.2 billion page views per day 20 petabytes of data processed daily Lets you take a virtual journey to any location on Earth, and beyond. You can explore buildings in 3D, dive down into the ocean, explore the moon, see maps of climate change, visit UNESCO This is a real-time digital cultural landmarks, study historical advertising marketplace that connects publishers with agencies, ad networks, and itself-today. An app that enables mages of the world, and tour payment with a phone at the U.S. presidents' birthplaces . thousands of brick-The ubiquitous web mapping technology providers, allowing service with street maps, satellite views, and a route and-mortar stores companies around the world that accept it; just tap to create and manage their the phone at the and travel time by car, foot, and public transport (with point of sale. It's secure—your credi card numbers are bike times to come). encrypted and never Typically, voice mail is stuck on the phone that's 48 hours 4 billion 763,684,702 Currently in development, this is a Digital photo management: organize, edit, add effects, and share your pictures. device you wear—a pair of glasses—that can be a still and movie camera Along with regular recording what you see in front of you; it can phones from Gmail in also project information onto the lenses, such 38 languages as maps, email temperatures, and the time. Voice controls let The answer to "too many buttons." A device with just or phone calls, and you **63** languages can send videos or 4,500 news sites directions to others, all two keys for email, a dot Free app on iPhone and Android smartphones in real time as you work and a dash; it's a reinvention is updated every fraction of a second.