THE BRAIN

The human brain is	s a soft, shiny, grayish-whit	e, mushroom-shaped	d structure encase	d within
the skull. At	, the typical human b	orain weighs about 35	60 to 400 grams. B	By the time
an average person	reaches adulthood, the br	ain weighs about 1.30	ô kilograms	of
greater average bo	dy size, the brains of male	s are generally about	t 10 percent larger	· than
those of females. A	Ithough brain size	considerably ar	nong humans, the	re is no
link br	ain size and intelligence.			
	composed of up to one tri	illion nerve cells. One	hundred billion of	f
are ne	urons, and the remainder a	are the supporting ne	uroglia. The brain	consists
of gray and white m	natter. Gray matter is nerve	e tissue in the CNS co	omposed of neuro	n cell
bodies, neuroglia, a	and unmyelinated axons; w	white matter is nerve t	issue in the CNS	composed
chiefly of bundles o	f myelinated axons.			
The brain is	by the skull and by	three membranes cal	led the	The
outermost membra	ne is known as the dura m	atter, the middle as t	the arachnoid, and	the
innermost as the pi	a matter. Many arteties an	d veins on the	of the brair	n penetrate
inward. Glucose, ox	xygen, and certain ions pa	ss easily from the blo	od in the brain;	
	is antibiotics, do not. Scier			
barrier that protects	s the brain from a number	of biochemicals	in the bloc	od.
The parts of the bra	ain can be divided in terms	of structure and fund	tion. The four prin	ıcipal
sections of the hum	nan brain are the brain ster	m, the diencephalon,	the cerebrum, and	d the
cerebellum				